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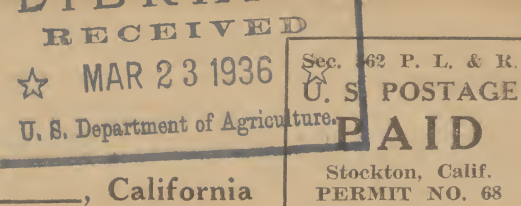
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FROM  
Knox Seed Co.,  
Stockton, Calif.

RURAL BOX HOLDER



# SEED DOLOGY

STOCKTON STORE:  
509 E. WEBER AVE.



MODESTO STORE:  
810 TENTH ST.

## Complete Stock of Selected Quality Flower, Vegetable and Field Seeds

IN PRESENTING this catalogue to our many customers, we have endeavored to make it a book which will help you with your garden problems.

If you will read this catalogue carefully you will find that it contains a wealth of information on varieties, culture, when and where to plant, and many other points which will help to make you a successful gardener.

Throughout these pages will be found a listing of the choicest seeds bred through years of intensive study, and you will be able to find the varieties most suited to your particular needs.

It is our earnest endeavor to maintain the confidence accorded us in the past and continue in our efforts of extending to our customers the high standard of quality and service.

It is impossible to predict prices far in advance, and it, therefore, may become necessary to change some prices in this catalogue as the season advances.

We also carry thousands of items in our two retail stores (509-511 East Weber Avenue, Stockton, and 810 Tenth Street, Modesto) that are impossible to list in this catalogue. We urge you to visit either store and see the wide variety of our merchandise.

JOHN O. KNOX,  
President.





# Knox's New Novelty Flower Seeds

## ASTER—SUPER GIANT EL MONTE

Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. It is very early blooming, coming in before the California Giant varieties, and remaining in flower over a long period. Although not wilt resistant, we highly recommend El Monte to you. Pkt. 15c.

## ASTER

### Wilt Resistant Aurora Golden Sheaf

It is the deepest yellow Aster yet offered, and the only one that is wilt resistant. The flowers are fully double with an attractive crest-like center, of good substance and fine depth of petal. It has all the characteristics of the Aurora type of Aster so popular now with florists. The flowers last well when cut and are excellent shippers. Pkt. 10c.

## MARIGOLD DIXIE SUNSHINE

From the Land of Dixie to the gardens of the world comes this most modern, most charming and unique Marigold. Sensationally new and fascinating, the large ball-shaped flowers are ingeniously composed of dozens of tiny five-petaled florets, gracefully interlocking, daintily fringed in effect. Brilliant golden yellow, 100 per cent double and but faintly scented with the characteristic Marigold odor, Dixie Sunshine is a ray of dazzling, pure beauty. Whether in the garden, on tall, bushy plants literally smothered with blooms, or when arranged for home decoration, the strong stemmed flowers are a constant joy from August throughout the season until frost. Pkt. 15c.

## DWARF DOUBLE GEM MIXTURE NASTURTIUMS

Our Gem Mixture, composed of an evenly balanced range of cheerful colors on dwarf, compact gem-like plants, is the ideal annual for border and edging use. The plants are truly dwarf and compact, totally without runners, and hold their compact form even in rainy climates where they will be a boon to garden makers. The good sized sweet scented double flowers gaily cover the little plants in an excellent color range which includes shades of yellow, orange, scarlet, crimson, salmon, cerise, cream, maroon and spotted varieties. While a majority of the plants have light foliage there are many dark foliage plants as well. Pkt. 25c.

## DWARF DOUBLE GOLDEN GLOBE NASTURTIUMS

Identical in color with the popular Golden Gleam, its habit and trueness to type also compare favorably with the excellence of Golden Gleam. Uniformly dwarf and compact, Golden Globe is the first named color variety in the new Gem type of Nasturtium. It is very free flowering, and the well formed double flowers of deep golden yellow are delicately sweet scented. Golden Globe will be justly popular. Pkt. 25c.



## DOUBLE SWEET SCENTED ORANGE GLEAM NASTURTIUMS

The flowers are very large, uniformly double and profusely free flowering, while the color is entirely new in the Nasturtium family—a deep glowing golden orange, with a deeper shading at the center. The plants are semi-dwarf, bearing the flowers well above the light green foliage on long, wiry stems. The sweet scent characteristic of all our Gleams is very pronounced, making the flowers especially fine for any garden or cutting use. Orange Gleam has been proclaimed even finer than Golden Gleam—equally double, excellent flower form and plant habit, and a deeper, more vibrant color. It is extremely showy planted by itself for a solid mass of color, and can be combined very effectively with deep blues or purple, such as Petunia Violacea. Pkt. 25c.

## DOUBLE SCARLET GLEAM NASTURTIUM

The flowers are a fiery orange scarlet, a color comparable to the brilliance of Scarlet Sage, or seeing a row of the plants one might visualize a showy border of scarlet Geraniums. The individual blooms are of an immense size, almost three inches across, much larger than any Nasturtium ever known. The sweet fragrance is more pronounced, and the double flowers more uniformly well formed. The foliage is the same lush green characteristic of Golden Gleam, and the contrast of the large, double, fiery orange scarlet flowers above their cool, restful green leaves attracts and holds the eye at once, while the ease with which they can be grown under almost any condition will make Scarlet Gleam the most popular all-around annual.

The plants are semi-dwarf, throwing short runners from well-rounded, free-flowering bushes. Stems are long, and bear the flowers well above the foliage of the plant. In the garden or for cutting no flower could be more lovely. Pkt., 15c; oz., 60c.

## DOUBLE GLEAM HYBRIDS NASTURTIUM

The Hybrids are a collection of gorgeously colored, large, well-formed flowers of such dazzling beauty that the mind hesitates to credit the evidence of the eyes. Colors certainly never dreamed of before in a double nasturtium abound in profusion—glorious flowers of salmon, golden yellow, orange, scarlet, cerise, cream, yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. They thrive under almost any cultural conditions, and this factor, combined with the brilliancy of their colors, assures Gleam Hybrids of a universal popularity.

The plants are semi-dwarf, throwing short runners from well-rounded, free-flowering bushes. Stems are long, and bear the flowers well above the foliage of the plant. In the garden or for cutting no flower could be more lovely. Pkt., 10c; oz., 30c.

## DOUBLE GOLDEN GLEAM NASTURTIUM

Golden Gleam is maintaining its position as the best known and most popular novelty of the past two seasons, becoming even more popular as time goes on. The large double sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage of the neat semi-dwarf plants. Ideal for any garden use. Pkt., 10c; 1 oz., 25c.

## PETUNIA

### SINGLE FRINGED DAINTY LADY

The plants are neat, compact, semi-dwarf and free flowering, bearing generous quantities of the medium sized, delicately fringed light golden yellow flowers throughout the summer. Pkt., 25c.

## HUNNEMANNIA SUNLITE

(New) Sunlite is a double flowered poppy which is different. Its extra band of petals is produced on the outside instead of the inside of the tulip-shaped flowers, making them appear open at all times. The flowers are a bright canary yellow on a bush of light gray green and they like a sunny position in a well-drained border. Pkt., 15c.

# KNOX'S QUALITY FLOWER SEEDS

In listing our flower seeds for the new year we have endeavored to limit our list to those only of proven varieties. Our flower seeds are grown by one of the largest and best growers in the country and are shipped to us in bulk. We carry a complete stock of flower seeds at all times, putting up our packages from fresh seed as they are needed. Should you desire a flower that is not listed in this tabloid, write us, and if we haven't it in stock we will endeavor to obtain it for you from a reliable source.

**Tender or Greenhouse** means the plant will not stand the least frost. All such must be planted late in spring (May) or in a greenhouse.

**Half Hardy** means the plant will stand any light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

**Hardy** means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

**Annuals** are plants that bloom in the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

**Biennials** are plants that bloom the second year from seed, and plant dies after blooming. In California, many of these will bloom the first year if sown early. Sow under same conditions as perennials.

**Perennials** are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April 15) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April 15 to June). Hardy perennials are best sown in late summer and early fall (July to October) for next year's flowers.

## ABRONIA

(SAND VERBENA) **UMBELLATA** — Annual of low growing habit. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. ¼ oz., 40c; packet, 10c.

## ACONITUM

(MONK'S HOOD OR WOLFEBANE)—A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 or 4 feet tall. Packet, 15c.

## AGATHEA

(BLUE MARGUERITE)—Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season. Packet, 10c.

## ADONIS

(PHEASANT'S EYE)—Pretty annuals growing about 1 ft. in height and producing freely its showy crimson and yellow flowers with dark centers. Packet, 10c.

## AGERATUM

(FLOSS FLOWER)—Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans and later transplanted or they may be sown outdoors in spring. The plush-like flowers appear in dense clusters entirely covering the plants.

**Dwarf Compactum Blue Ball**—Deep blue. ¼ oz., 50c; Packet, 10c.

**Mixed colors.** ¼ oz., 40c; Packet, 10c.

## AGROSTEMMA

(ROSE OF HEAVEN)—Beautiful annual of easy culture. Very floriferous, flowers a reddish rose. Thrives in full sun. 12-18 inches. ¼ oz., 20c; Packet, 10c.

## AMARANTHUS

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 3 to 5 feet and prefer an open sunny location and rather light soil.

**CAUDATUS** (Love Lies Bleeding) — Bright crimson flowers in drooping panicles. Packet, 10c; Oz., 25c.

**TRICOLOR** (Joseph's Coat)—Very showy, leaves variegated red, green and yellow. Packet, 10c; ¼ oz., 25c.

## ANCHUSA

**CAPEensis** (Cape Forget-Me-Not)—Attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers. ¼ oz., 40c; Packet, 10c.

**ITALICA**—Dropmore hardy perennial, growing 3 to 5 feet high and having long, loose sprays of lovely rich gentian blue forget-me-not flowers. ¼ oz., 60c; Packet, 10c.

## ANEMONE

**CORONARIA** (Wind Flower) — Half-hardy perennial. Plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Mixed colors, Packet, 10c.

## ANTIRRHINUM (Snapdragons)

Snapdragons are easily grown from seed and may be sown in flats or open ground from August until late spring.

## MAJUS GRANDIFLORUM

Early flowering. Colors are uniform, fixed and true. Height about 2½ feet. They come into bloom three weeks earlier, and are in full bloom one month earlier. More flowers are in full bloom at one time on a spike.

**Brilliant Rose**—rose pink ..... Packet, 10c  
**Scarlet Defiance**—bright scarlet ..... Packet, 10c

## TALL MAXIMUM GRANDIFLORUM

Retaining the merit of their original form, they have received at the hands of the hybridizers a complete glorification. They are now larger, better and more colorful. Height 4 feet.

	Pkt.	¼ Oz.
Apple Blossom—rosy pink, white tube	10c	\$1.00
Cattleya—orchid lavender	10c	1.00
Cerberus—deep purple with white	10c	1.00
Copper King—velvety bronze copper	10c	1.00
Old Gold—rich old gold	10c	1.00
Purple King—deep garnet, dark foliage	10c	1.00
Ruby—rich, velvety, ruby red	10c	1.00
The Rose—deep rose pink	10c	1.00
Pastel shades, mixed	10c	1.00
Finest mixed	10c	1.00

## RUST-PROOF ANTIRRHINUMS (SNAPDRAGONS)

**MAXIMUM CRIMSON**—Rust-proof Crimson has what is known as coccinea foliage and the stem is a dark plum color. The combination of fiery crimson flowers, dark green foliage and dark plum-colored stems makes a blend of color shades most particularly attractive and more so on account of the clean, healthy foliage, free from rust. Height, 2½ to 3 feet. Packet, 15c.

**NEW DEAL YELLOW**—This gorgeous new yellow is somewhat similar to the old susceptible variety Canary Bird. The plants are larger and more productive, sending up a great array of glorious golden yellow spikes. Pkt. 15c.

**NEW DEAL PINK**—This strain is somewhat like the old susceptible Apple Blossom except that the pink is considerably deeper and doesn't fade so readily. Also a very large and productive strain. It has been considered by many who have seen it one of the finest. Packet, 15c.

**SHASTA**—Pure white, early greenhouse forcing type. Pkt., 15c.

**GOLDEN ORANGE**—Light golden orange with apricot suffusion. Pkt., 15c.

**UNIVERSITY OF CALIFORNIA MIXTURE.** Pkt., 15c.

## ALYSSUM

A fragrant hardy annual having the odor of honey and bearing spikes of small white flowers in great profusion throughout the winter, spring and summer. Without a doubt one of the best border plants; is also useful for beds and baskets and will begin to bloom when quite small.

**CARPET OF SNOW**—Very compact, about 3 inches high, one plant often having a diameter of 15 inches. Packet, 10c; ¼ oz., 25c.

**SWEET WHITE**—The tallest of this group, growing 8 to 12 inches. A profuse bloomer. Packet, 10c; ¼ oz., 15c.

**LILAC QUEEN**—A delicate lilac (dwarf). Packet, 10c; ¼ oz., 25c.

**SAXATILE YELLOW**—A perennial variety of pleasing yellow color. Height 1 foot. Packet, 10c; ¼ oz., 50c.

Prices in This Tabloid Cancel Previous Prices, Are Subject to Change Without Notice

# HOW TO ORDER BY MAIL

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on Page 20

**YOUR NAME AND ADDRESS.** Be very sure that your name and address are written plainly on each order. We frequently have orders where either name is not given or address omitted. Also give plainly the R. F. D. number and box, or the street address. We acknowledge all orders by a post card if not filled immediately. If such acknowledgment is not received, or if the order does not follow at once, write us about it.

**CASH WITH ORDER.** The proper way is to send remittance in full to cover order. We send Seed and Poultry supplies C. O. D. Plants we never send out C. O. D. (There is an extra charge of 12c on C. O. D.'s).

**ALL PRICES** are subject to price fluctuation and to change without notice. For this reason we ask you to write for quantity price. On vegetable seeds the price is usually fixed for the season and rarely is it necessary to change from the tabloid, and the prices will be consistent with the market. You will be treated fairly.

**REMITTANCES** should be made by Postoffice Money Order, Express Money Order, or by Check. For amounts up to one dollar, clean, unused postage stamps will be

accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

**SHIPPING.** We will use our best judgment as to the best way of sending orders when specific directions are not given. In large "prepaid" orders it is better to have them go by express, if your town is on a railroad—it is safer. We prepay express charges on merchandise quoted "prepaid." If special directions in shipping are needed, send them explicitly, and where express or freight office is different from postoffice, so state in space on our order sheet.

**SEEDS BY MAIL.** We send by mail or by express prepaid for flower seeds, and for vegetable seeds up to ten pounds. We do not pay postage or express charges on onion sets, field seeds, clovers, grasses, bird seeds, tools or plants in large quantities; but we pay them on other vegetable and flower seeds. Correspondents in foreign countries should add a sufficient amount for postage at the rate of 14 cents per pound.

KNOX SEED CO., Inc., gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money will be refunded.

KNOX SEED CO., Inc.  
JOHN KNOX, President and Manager.

## CALIFORNIA CUSTOMERS

Please add to the total amount of your order the State Sales Tax as follows:

STATE	SALES	TAX
	.01 to .14	No Tax
	.15 to .49	.01
SALES	.50 to .83	.02
	.84 to 1.16	.03
TAX	1.17 to 1.49	.04
	1.50 to 1.83	.05
And 3% above this amount.		

IF YOU DO NOT FIND THE VARIETY YOU WANT... ASK US AND WE WILL GET IT FOR YOU.



ASTERS

AMERICAN BEAUTY  
(WILT-RESISTANT)

The flowers have in-curved petals and are large and full, often measuring four inches across. The plants are of branching habit, and the flower stems measure from 15 to 30 inches. The flowers have splendid keeping qualities. We heartily recommend this variety as one which you will be proud to have in your garden.

- Lavender—Lilac .....Pkt. 10c
- Carmine Rose—  
Bright Rose .....Pkt. 10c
- Crimson—Very large...Pkt. 10c
- September Beauty—  
Pink .....Pkt. 10c
- Purple—Deep purple...Pkt. 10c
- Mixed colors—  
All colors .....Pkt. 10c

HEART OF FRANCE  
(WILT-RESISTANT)

A beautiful red aster of branching habit and good cutting type. Height, 2 ft. Pkt. 10c

WILT-RESISTANT ASTERS

Disease takes its toll of plants as well as other living things. A great deal of time, effort and money is spent each year in combating it. Aster wilt has played havoc with many aster plantings.

IMPROVED CREGO WILT-RESISTANT

Plants robust, branching, about 2½ feet; flowers large, double and well formed; one of the finest varieties for all purposes.

- Crimson—Glowing deep rose-crimson.....Pkt. 10c
- White—Purest white .....Pkt. 10c
- Lavender—Soft lavender blue.....Pkt. 10c
- Purple—Showy violet purple.....Pkt. 10c
- Azure Blue .....Pkt. 10c
- Shell Pink—Light pink.....Pkt. 10c
- Mixed colors—Finest mixed.....Pkt. 10c

PERENNIAL—MICHAELMAS DAISY

Choice Mixed. One of the showiest of our late flowering, perennial plants; starlike, single flowers. Two feet. Packet, 10c.

POMPON ASTERS

Plants upright, 14-16 inches; small, round pompon flowers; fine for cutting.

- Blood Red. Pkt.....10c
- Fiery Scarlet. Pkt.....10c
- Light Blue. Pkt.....10c
- Rose. Packet.....10c
- Violet. Pkt. ....10c
- Mixed colors. Pkt.....10c

ASTER "SUPER GIANT LOS ANGELES"

This is the largest and most fully double Aster known. The flowers are from six to eight inches across, full petaled and artistically graceful in the feathery effect of the interlacing ostrich feather type petals. The color is a lovely soft shell pink, blending to a creamy pink at the center. The plants reach a height of 2½ to 3 ft., with 6 to 8 long, non-lateral stems per plant. Packet, 10c.

KING OR NEEDLE TYPE ASTER  
(WILT-RESISTANT)

Quite distinct in form from all other Asters, as all the petals are neatly quilled. Popular for mid-summer flowering, as they seem to resist the heat so well. Mixed colors. Packet, 10c.

BALLOON VINE

Rapid-growing annual vine with white flowers and seed pods shaped like miniature balloons. 10 ft. Packet, 10c; ¼ oz., 15c.

BALSAM (Touch-Me-Not)

A tender annual. Flowers, both single and double, in bright colors and variations, are wax-like and very attractive. The individual blossoms floating in a dish of water exhibit their beauty to the best advantage.

IMPROVED DOUBLE CAMELLIA FLOWERED—In its extraordinary size, perfect form and brilliant colors, this fine strain of balsam surpasses all others. Height, 18 in. Packet, 10c.

DOUBLE ROSE-FLOWERED, MIXED—Fine. Packet, 10c; ¼ oz., 25c.

BALSAM APPLE

(Momordica)

A climbing annual growing about 15-20 feet long. Has graceful and ornamental foliage, yellow flowers and warted golden yellow fruit, with large carmine red seeds. Thrives in hot locations. Packet, 10c; ¼ oz., 30c.



AQUILEGIA (Columbine)

A hardy perennial of graceful habit growing about two feet high. The flowers are attractive and beautifully adapted for cut flowers. They may be successfully grown in partial shade. Fall-sown seed will bloom the following spring. If sown in early spring will often flower the same season. Time required for seed to germinate is 12 to 60 days. Sow seeds in flats and transplant.

- Long Spurred Blue Shades. Packet, 15c.
- Long Spurred Pink Shades—Containing a variety of pink to rose shades. Packet, 15c.
- Long Spurred Hybrids, Mixed—This is the Elliott strain, conceded to be the finest grown. Colors are mixed, stems extra long, fine for cutting. Packet, 10c; ¼ oz., 75c.



IMPROVED NEW  
GIANT CALIFORNIA  
SUNSHINE ASTER

This lovely Aster has been rightly called the most beautiful Aster in the world. The flowers are very large, 4-5 in. across, with a single row of petals contrasting with the light yellow or blue centers.

- Carmine .....Pkt., 10c
- Lavender .....Pkt., 10c
- Flesh .....Pkt., 10c
- Pink .....Pkt., 10c
- Violet .....Pkt., 10c
- Mixed colors.....Pkt., 10c

GIANT OF  
CALIFORNIA ASTER

The flowers are large and full, of the well-known Crego type, with broad, graceful petals, borne on long, heavy, non-lateral stems. The plants reach a height of three feet, blooming from mid-summer until frost.

- Dark Purple.....Pkt. 10c
- Deep Rose .....Pkt. 10c
- White .....Pkt. 10c
- Light Purple .....Pkt. 10c
- Light Blue .....Pkt. 10c
- Mixed colors .....Pkt. 10c

GIANT BRANCHING COMET ASTER  
(WILT-RESISTANT)

Plants 2 to 3 feet, branching, flowers large and double. White, large, well formed; pure color.....Pkt. 10c

Purple, perfect flower, dark violet blue.....Pkt. 10c

Rose, charming bright rose.....Pkt. 10c

Crimson, intense deep crimson red.....Pkt. 10c

Mixed colors, finest mixed.....Pkt. 10c

ARABIS

(ROCK CRESS) ALPINA—6-12 inches. Hardy perennial requiring sun and poor soil. Excellent rock garden and border plant. Myriads of fine white flowers. Packet, 10c; ¼ oz., 50c.

ARGEMONE

MEXICAN PRICKLY POPPY

SINGLE HYBRIDS, MIXED—Sturdy plants, 2 ft. high, with branching, spiny glaucous leaves and prickly stems. The poppy-like flowers, 3 inches across, with gold anthers come in white, cream and yellow. Packet, 10c; ¼ oz., 30c.

CALIFORNIA NATIVE FLOWERS  
MIXED

This is a mixture which contains over 30 varieties of California Wild Flowers. Pkt, 10c; ¼ oz., 25c; 1 oz., 75c

CANDYTUFT—IBERIS

Hardy evergreen plants, making a magnificent showing the second year from seed. They cushion rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place. Height, 10 in.

SEMPERVIRENS—Profuse, white blooms from April to June; much used for rockeries, etc. Packet, 10c.

GIBBALTARICA—Lavender-pink flowers, shading white; very fine blooms in June and July. Packet, 10c; ¼ oz., 40c.

QUEEN OF ITALY—Rosy lilac. Packet, 10c.

MIXED COLORS. Packet, 10c.



CALENDULA

Very hardy annual, one foot high, blooming freely practically the whole year round. It is one of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. Calendulas make one of our finest winter flowers. A hard frost will not hurt them. In fact, the flowers are larger and finer during the winter and spring months.

RADIO—A distinct and new form of Calendula. The petals are quilled and of a brilliant orange color; very striking. Packet, 10c; ¼ oz., 40c.

CAMP FIRE—The blooms are undoubtedly larger than any other type and are a brilliant orange color with a scarlet sheen. Very vigorous grower. Pkt., 10c; ¼ oz., 40c.

ORANGE KING—Bears giant flowers sometimes three in. in diameter. Color, pure orange. Pkt., 10c; ¼ oz., 40c.

LEMON QUEEN—Like the above, but of pure lemon. Packet, 10c; ¼ oz., 40c.

DOUBLE MIXED—A good mixture. Packet, 10c; ¼ oz., 25c.

ORANGE SHAGGY—The petals are long and deeply fringed or lacinated. Row after row of these long fringed petals overlap each other in a rather irregular fashion and build up a bloom with the shaggy appearance of some Chrysanthemums. These blooms are of great grace and beauty, sharply contrasting with the rather formal appearance of varieties such as Orange King, etc. The color is a deep orange shading to slightly lighter orange in the center of the bloom, giving the flower a delightful two-tone effect. Well grown, Orange Shaggy has long stems and forms plants about eighteen inches high. Pkt. 10c.

CHRYSANTHA

Chrysantha is distinct in type, a new break in Calendulas which is outstanding among all varieties known up to the present time. The large double flowers are an ex-

SAVE THIS TABLOID

quisite shade of clear buttercup yellow, with long, loosely arranged petals which droop somewhat to give the rounded appearance of a Chrysanthemum. Besides adding a bright golden splash of color to the garden, Chrysantha is remarkable for its long, stiff stems, making it ideal for cutting. Packet, 10c.

PASTEL BEDDING MIXTURE

Designed especially for the home garden, this mixture contains a balanced combination of the lighter shades of Calendulas in the dwarfer growing types. Many new shades of apricot, cream and white are included, as well as the better known orange and lemon. There is also a novel assortment of flower types. Especially adapted for border use, the stems are long enough to use the flowers for cutting as well. Packet, 10c.

CANARY BIRD VINE

A beautiful, rapid-growing annual climber, the charming little canary-yellow blossoms bearing a fancied resemblance to a bird. Packet, 10c.

CANNA

DWARF LARGE-FLOWERING FRENCH MIXTURE. Annual. Contains choice seeds from dwarf, early-flowering plants. Packet, 10c.

ARCTOTIS

AFRICAN LILAC DAISY

GRANDIS—Half hardy annual bearing daisy-like flowers. Color—pearl white with mauve center. Height, 2 feet. Packet, 10c; ¼ oz., 25c.

ARMERIA

FORMOSA HYBRID—Fine plant for permanent border or rock garden and does well on the sea coast. Flowers range from rose to red. Height about 2 feet. Packet, 10c; ¼ oz., 50c.

ASPARAGUS

Seeds start slowly and should be soaked in warm water before sowing. Tender perennials; makes a pillar climber where there is little frost.

PLUMOSUS NANUS—A dwarf variety, very delicate and feathery. Packet, 10c.

SPRENGERI (Emerald Feather)—Feathery-leaved variety, with drooping branches. The variety for hanging baskets. Packet, 10c.

AUSTRALIAN PEA VINE

DOLICHOS LIGNOSUS—A rapid growing, evergreen, climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. Packet, 10c; ¼ oz., 40c.

BARTONIA

AUREA—Annual. Handsome plants with downy foliage and fragrant, large, golden yellow flowers, which open in the evening. Thrives in any soil. 3 ft. Pkt., 10c.

BEANS—RUNNER

Annual Climber. Scarlet or White. Packet, 10c.

BEGONIA

Very attractive flower for both pot and bedding use, and should be more extensively grown for shady borders. Perennial. Choice mixed, packet, 15c.

BRACHYCOME IBERIDIFOLIA

(Swan River Daisy)

A charming annual deserving greater popularity. The plants which grow about 10 inches high are covered with Cineraria-like blooms in shades of blue and lavender. Mixed, packet, 10c; ¼ oz., 50c.

BROWALLIA

ELATA BLUE—A rich blue flowering annual which stands considerable cold weather and blooms as well in the winter as in the summer. Seed may be sown any time and it grows equally well in shade or sun. Good rock plant. 18 in. Packet, 10c; ¼ oz., 50c.

CACALIA (Tassel Flower)

COCCINEA RED—Sometimes called Flora's Paint Brush. An annual of easy culture growing 18 inches high. Desirable border plant and a beautiful subject for table decoration. Packet, 10c; ¼ oz., 50c.

CACTUS

Choice Sorts Mixed. Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristics of these desert plants. Sow the seed in well-drained light soil in a sheltered place and water carefully. Packet, 15c.

CALCEOLARIA

Hybrida Superba. A beautiful, large flowering strain. colors rich and varied. Sow the seed in seed pans in fine soil. Packet, 35c.

CALLIOPSIS

An old-fashioned flower and a general favorite. It grows about 3 feet high and is fine for cutting and some sorts for bedding. Hardy annual. Blossoms single and about 2 to 4 inches in diameter.

Mixed—A gorgeous mixture of golden yellow, brown, maroon and other shades. Pkt., 10c; ¼ oz., 20c.

CANDYTUFT

UMBELLATA

This charming annual should be freely planted in all gardens for display or for cutting purposes. The flowers are borne in umbels and when the plant is in full bloom it is indeed beautiful.

Beds or borders of

solid colors are most attractive, and we suggest solid colors further for the reason that when one color is planted in a row or bed the plants are of uniform height, presenting a most pleasing appearance. Local florists find it a most satisfactory cut flower, and it is planted quite freely for that purpose. Seed germinates in 5 to 10 days, and it may be started in beds or flats and transplanted when several leaves are formed.

- Albida White .....Pkt., 10c; ½ oz., 40c
- Carmine .....Pkt., 10c; ½ oz., 40c
- Crimson .....Pkt., 10c; ½ oz., 40c
- Flesh Pink .....Pkt., 10c; ½ oz., 40c
- Lavender .....Pkt., 10c; ½ oz., 40c
- Rose Cardinal .....Pkt., 10c; ½ oz., 40c
- Umbellata Mixed .....Pkt., 10c; ½ oz., 40c

CANTERBURY BELLS

(CAMPANULA)

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of three feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

CUP AND SAUCER CANTERBURY BELLS

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

- Calycanthema Blue .....Pkt. 15c
- Calycanthema Rose .....Pkt. 15c
- Calycanthema Mixed .....Pkt. 10c

(Continued on Page 4)

SEE SPRAY MATERIALS, PAGE 19.

SPRAY FLOWERS AND ROSES OFTEN TO STOP DISEASES AND INSURE HEALTHY GROWTH.



(Continued from Page 3)

ANNUAL CANTERBURY BELLS MIXED

This variety blooms from seed in less than six months. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms. Seed planted in February blooms in July. Packet, 10c.

SINGLE CANTERBURY BELLS

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes, 2½ to 3 feet high.  
Single Blue ..... Pkt. 10c    Single Rose ..... Pkt. 10c  
Single Mixed ..... Pkt. 10c

DOUBLE CANTERBURY BELLS

Double Mixed. A fine mixture of all colors. Pkt. 15c.

PERENNIAL CAMPANULAS

(Bellflower)

Beautiful subjects for perennial borders and beds. They are easily grown in any garden and frequently flower the first year if sown early in the spring.

CARPATICA (Carpathian Harebell). Clear blue, splendid for edging; 1 ft. Packet, 10c.

CARDINAL CLIMBER

A brilliant and beautiful vine which grows 30 feet high, with fern-like foliage and cardinal-red flowers, 1½ inches across, borne in clusters profusely from midsummer until frost. Sow seed where plants are to remain, outdoors in late May. Splendid for trellises. Pkt., 10c; ¼ oz., 50c.

CARNATIONS

Carnations are exceptionally successful in California, growing and blooming continually throughout the year.

The seeds offered are originally of the best French and European strains, but have been grown and reselected in California for several years. Their germination is of the highest, the flowers extra large and very double. Sow in pans or boxes, using light, well-drained soil and covering ¼ inch. Keep shaded until the plants appear and when large enough set out in the open. Perennial 1½ to 2 ft. in height.



CHABAUD'S EVERBLOOMING CARNATIONS

A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double, and blooms indefinitely.

Bright Rose ..... Pkt. 10c    Scarlet ..... Pkt. 10c  
Dark Crimson (Black Prince) ..... Pkt. 10c  
White (Jeanne Dionis) ..... Pkt. 10c    Flesh Pink ..... Pkt. 10c  
Yellow (Marie Chabaud) ..... Pkt. 10c  
Chabaud's Everblooming Giant Flowered. Mixed. Pkt. 10c

MARGUERITE CARNATIONS

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.

Marguerite Choice Large Flowered Mixed ..... Pkt. 10c  
¼ oz. .... 75c

CENTAUREA CYANUS

(Corn Flower or Bachelor's Button)

This old-fashioned hardy annual is still a great favorite for cutting purposes. The deep rich blue is the most popular. The mixture contains shades of pink, white, lavender and blue. Height 2 to 3 feet.

Double Blue—A pleasing shade of blue. Pkt. 10c    ¼ oz. 25c  
Double Pink—Bright pink ..... Pkt. 10c    ¼ oz. 25c  
Double Ruby—Unique color in Centaureas ..... Pkt. 10c    ¼ oz. 25c  
Double Mixed ..... Pkt. 10c    ¼ oz. 20c

CENTAUREA IMPERIALIS

(Royal Sweet Sultan)

This is the variety so popular in the florist's store. The plants are of spreading habit and one plant has been known to keep a home replenished with cut flowers during the entire summer. Height 3 to 4 ft. A hardy annual. Mixed Colors ..... Pkt. 10c    ¼ oz. 40c  
Suaevolens Yellow—Similar to Imperialis but producing yellow flowers ..... Pkt. 10c

CELOSIA OR COCKSCOMB

Cristata—Very ornamental and strong plants, producing magnificent combs of velvety looking flowers. They succeed well in the garden and make very attractive pot plants. Sow seed in the spring only, for they are very tender and will stand no frost.

Dwarf Mixed—A mixture of rich velvety colors. Height 10 inches ..... Pkt. 10c    ¼ oz. 80c

PLUMOSA (Feathered Cockscob)—A very decorative plant and useful for mass bedding or for pot culture. The feathered plumes are of medium size and very attractive.

Plumosa Mixed—Many pleasing shades from pale yellow to deepest crimson ..... Pkt. 10c    ¼ oz. 40c

CHILDSII (Woolflower)—As the name suggests, the flower resembles huge balls of wool. When cut, if it is hung head down until dry, makes a beautiful everlasting flower. Height 15 inches. Mixed ..... Pkt. 10c    ¼ oz. 50c

CHRYSANTHEMUMS

The plants average 2 feet in height, and bear their daisy-like flowers in great profusion on strong stems.

SINGLE ANNUAL VARIETIES MIXED—Choice ..... Pkt. 10c

DOUBLE ANNUAL VARIETIES MIXED—Mixture of double varieties ..... Pkt. 10c

CHEIRANTHUS

Allioni—Perennial bearing gorgeous orange flowers. Height 12 to 16 inches. Charming in borders and rock gardens ..... Pkt. 10c

CINERARIA

Ornamental house-plants, bearing magnificent heads of velvety, daisy-like flowers, in white, pale blue, dark blue, violet, pink, carmine and crimson, with many bicolors.

Hybrida nana multiflora, mixed. A new race producing dwarf, 10-inch, compact plants with masses of flowers measuring ¾ inch in diameter in compact heads over small, dainty foliage. The flowers are all self colored. Pkt. .... 15c

CLARKIA

This pretty and easily grown annual has been much improved in recent years. 2 to 2½ feet high, with leafy racemes of double flowers.

ELEGANS ALBA FL. PL.—Very double, pure white ..... Pkt. 10c

BRILLIANT—Rich crimson-scarlet; very double Pkt. 10c

SALMON QUEEN—Extra double; salmon-pink... Pkt. 10c

VESUVIUS—A brilliant orange-scarlet ..... Pkt. 10c

ELEGANS DOUBLE MIXED—A fine mixture containing all the colors. Packet, 10c; ¼ oz., 30c.

CLEMATIS

Perennial climber; fine for arbors, verandas, etc. PANICULATA (Japanese Virgin's Bower)—The beautiful autumn-flowering variety, admired for its fragrant, white, star-shaped flowers ..... Pkt. 10c

COBAEA SCANDENS

A half-hardy climbing perennial, with large leaves and large, bell-shaped flower. Grows about 30 ft. long. Pkt. 10c

COIX LACHRYMAE ("Job's Tears")

Curious ornamental grass with broad corn-like leaves and seeds of a light slate color. Valuable for winter bouquets with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; 3 feet high. Pkt. .... 10c

COLEUS

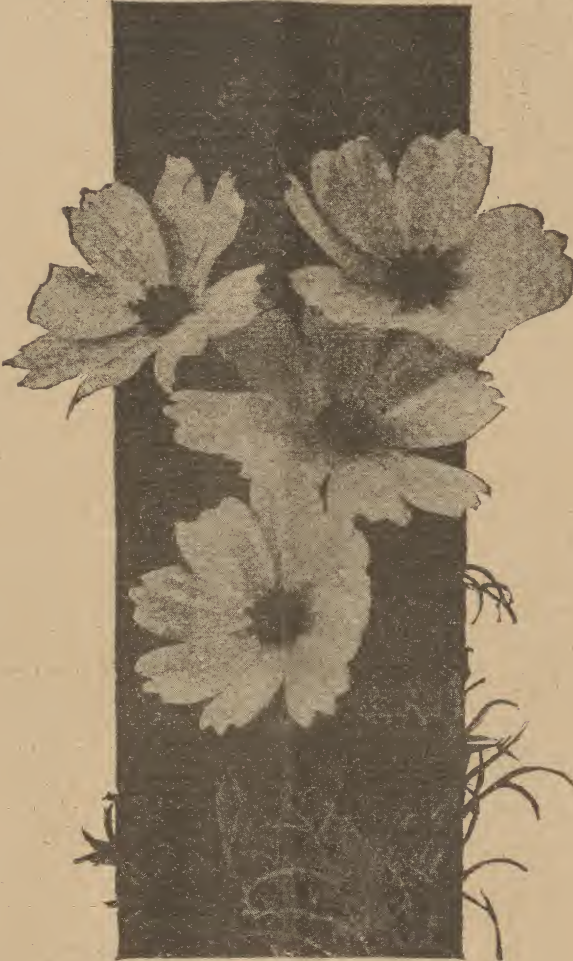
These ornamental foliage plants are very popular for growing in protected borders or for pot culture. They are tender perennials but make a satisfactory growth from seed the first year. A very interesting plant to grow from seed, for many new and fine color combinations are obtained in this way.

Extra Choice Mixed ..... Pkt. 15c

COREOPSIS

Lanceolata Grandiflora (hP-2 ft.) — One of the most satisfying perennials grown. On long graceful stems the plants bear large daisy-like flowers with broad fluted petals. In color they are a rich, glossy chrome yellow. They bloom without interruption for a long season and are brilliant in the garden as well as being much esteemed for cutting.

Single ..... Pkt. 10c    ¼ oz. 35c  
Grandiflora Double Yellow—Greatly improved over the semi-double ..... Pkt. 10c    ¼ oz. 50c



COSMOS

Very graceful tall annuals, with large, long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high, and produce a wealth of excellent cut flowers. They are very useful for backgrounds and screens, or wherever tall, heavily branched flowering plants are needed. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

EARLY FLOWERING—Sow the seeds of these in the early spring to late summer. They are very large flowering and excellent for garden show or for cutting. Pink ..... Pkt. 10c; ¼ oz. 35c    Crimson ..... Pkt. 10c; ¼ oz. 35c  
Mixed colors ..... Pkt. 10c; ¼ oz. 20c

LATE FLOWERING—These are autumn flowering. Sow the seeds during late spring and summer. White ..... Pkt. 10c; ¼ oz. 25c    Pink ..... Pkt. 10c; ¼ oz. 25c  
Red ..... Pkt. 10c; ¼ oz. 25c    Mixed Colors Pkt. 10c; ¼ oz. 20c

LATE CRESTED—The large crested flowers produced abundantly on plants equal in size to the late flowering, present a most striking appearance. Pink ..... Pkt. 10c; ¼ oz. 75c    Crimson ..... Pkt. 10c; ¼ oz. 75c  
White Pkt. 10c; ¼ oz. 75c    Mixed colors Pkt. 10c; ¼ oz. 50c

COSMOS KLONDYKE ORANGE FLARE

Now at last we may grow the lovely orange-colored Cosmos and be assured of having flowers before frost. Orange Flare is a strain which is in full bloom less than five months from sowing. The color is the same vivid orange of the ordinary klondyke, with attractive light green foliage. Packet, 10c.

CYCLAMEN

Charming house-plants, with beautiful foliage and richly colored, fragrant flowers. Universal favorites for winter and spring blooming. Seed, sown any time during the spring or autumn, produces flowers in from 16 to 18 months.

Giant Finest Mixed. The very finest strain, with mammoth flowers ..... Pkt. 35c

CYPRESS VINE

Popular vines with delicate fern-like foliage, and mass of beautiful, small, star-shaped flowers. Soak seed in water for a few hours before planting to hasten germination. Frequently grows 15 feet and is fine for trellises. Sow outdoors in May.

Mixed—Scarlet and white flowers..... Pkt. 10c; ¼ oz. 25c

DAHLIA

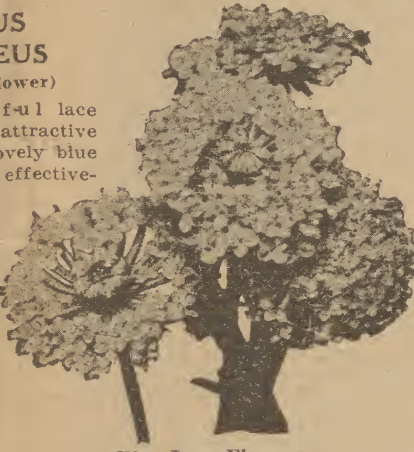
(TP-3 ft.) For specimen plants and for rich autumn display these flowers can not be surpassed. The blossoms are wonderfully perfect and symmetrical with long stems, making them especially valuable for bouquets. While usually grown from tubers, robust plants and excellent blooms may be produced the first year from seed started early in boxes and planted out after danger of frost is past.

Single Mixed—Graceful daisy-like flowers with broad, rounded petals appearing in a wide range of glowing colors..... Pkt., 10c; ¼ oz., 50c

DIDISCUS

(Blue Lace Flower)

This beautiful lace flower is a very attractive cut flower of a lovely blue shade and is most effectively used when mixed in bouquets. The culture is easy and, being a hardy annual, may be planted from early spring to late summer. If you like to raise your own cut flowers you'll be glad to have this in your collection. Pkt., 10c; ¼ oz., 75c.



Blue Lace Flowers

SAVE THIS TABLOID

DELPHINIUMS

One of the finest garden flowers and becoming increasingly popular both for garden show and for cutting. Seeds sown in beds or flats during August, September, October and November will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. After they have bloomed the first time select the most desirable plants and transplant them to a permanent place in the garden. Spray the plants occasionally with Bordeaux Mixture to prevent Mildew. Seed germinates in about 20 days.

CLIVEDEN BEAUTY. A greatly improved light blue variety. It is a strong grower with exquisite large flowers much in demand by the florist trade..... Pkt. 10c

BELLAMOSA. A rich deep blue in color and of the same type and habit of growth as the Belladonna. The two grow beautifully together..... Pkt. 10c

CARDINALE. Scarlet perennial Larkspur. This handsome native flower grows to a height of 4 feet or more and produces its brilliant flowers during the early summer months ..... Pkt. 10c

HOLLYHOCK-FLOWERED AND WREXHAM HYBRIDS—The deft magic of these great English hybridizers has endowed this new strain with flowers of superb size, exquisitely proportioned, on spikes like the tapered spires of ancient gothic cathedrals. These spikes range from 4 to 6 feet, with unusually long blooms of exquisite florets—lovely tones of blues, mauves, lilacs, purples and violets in wonderful variations. Packet, 10c.

LAVANDA—Deep rosy lavender with small white center. Packet, 15c.

DELPHINIUM ANNUAL OR CHINENSIS

CAMBRIDGE BLUE (new)—Rich, clear belladonna blue, 3 ft. tall. Packet, 10c.

AZURE FAIRY—Azure blue, dwarf, 1 ft. Packet, 10c.

DIMORPHOTHECA

(The Golden African Daisy)

A showy annual from South Africa which has become a great favorite on account of its easy culture and beautifully colored flowers. The colors include all shades of yellow, orange, cream and white, and massed in beds or wide borders they have a very brilliant effect. They may be planted during the fall, spring or summer.

Aurantiaca—Brilliant orange. Packet, 10c; ¼ oz., 60c.

Hybrids—Mixed colors. Packet, 10c.

Salmon Beauty—Delightful shade. Packet, 10c.

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed. Height 2 feet.

VARIEGATA (Snow-on-the-Mountain) — Foliage veined and margined with white. Packet, 10c.

ESCHSCHOLTZIA

(California Poppy)

(hA-12 in.) California glories in this, its state flower, and today it is esteemed everywhere. When massed in beds it is brilliant, and it blooms profusely all summer. The plants grow in tufts, and the blue-green foliage is very lacy. The long, tapering buds expand into handsome saucer-shaped blossoms.

EXTRA GOLDEN—A robust strain of Large California Poppy, with flowers of rich, pure gold coloring. Packet, 10c; 1 oz., 50c.

RAMONA—A charming variety with frilled single flowers of a copper-gold color, shading to pink. Packet, 10c.

MIXED—A delightful combination of vivid colors. Packet, 10c; 1 oz., 50c.

SALMON BEAUTY—Light salmon. Packet, 10c.

EVERLASTING FLOWERS

These were great favorites with our grandparents and are today as popular as ever. The Straw Flower (Helichrysum) is perhaps better known than the other sorts listed, but all are fully as interesting for giving variety to dried winter bouquets. These make fine gifts from your own garden to your friends. The drying is a simple operation: cut before fully expanded, bunch like sweet peas and hang on a line upside down in a cool, dark, dry room. It takes 10 days.

ACROCLINIUM, MIXED — Pretty white and rose, daisy-like flowers, so desirable for winter bouquets. Height 1 foot.

GLOBE AMARANTH, MIXED (Gomphrena) — White, pink, rose and purple like heads of clover. Height 1 foot.

HELICHRYSUM MONSTROSUM, Mixed (Straw Flower)—Height 2 feet.

RHODANTHE, Mixed Colors — Neat, slender plants with silvery leaves and dainty lavender, pink and white flowers like inverted cones. Height, 1 foot.

XERANTHEMUM, Mixed—Rose, purple and white daisy flowers with outer corolla and center cup. Height, 2 feet. Each of the above, packet, 10c.



SHASTA DAISY

This popular flower is noted for its keeping qualities as a cut flower. They should be planted in the fall or early spring. If planted in late fall will not bloom until the following spring.

Alaska—The finest ..... Pkt. 10c

Giant Double Shasta Daisy — (New). The beautiful white double flowers are 5 inches across and are very similar to shaggy petaled asters. They are borne on long stiff stems and are very valuable for cutting. Being a new variety, a percentage of single flowers may be expected ..... Pkt. 10c

DOUBLE DAISY

Bellis Perennis—A hardy perennial, blossoming freely all spring and summer. Plant is about 4 inches high and is valuable for borders.

Extra Double Red ..... Pkt. 10c

Snowball ..... Pkt. 10c

Extra Double Pink ..... Pkt. 10c

Double Mixed ..... Pkt. 10c

DIELYTRA

SIECTABILIS (Bleeding-Heart)—Perennial. Long racemes of graceful, heart-shaped, pink flowers. Fine for forcing, and also at home in hardy borders, especially in shady places. Packet, 15c.



FORGET-ME-NOT—MYOSOTIS

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring, they will flower in the fall.  
ALPESTRIS VICTORIA—Of bushy habit; bearing large bright blue flowers; very fine; 6 inches. Packet, 10c.

CYNOGLOSSUM

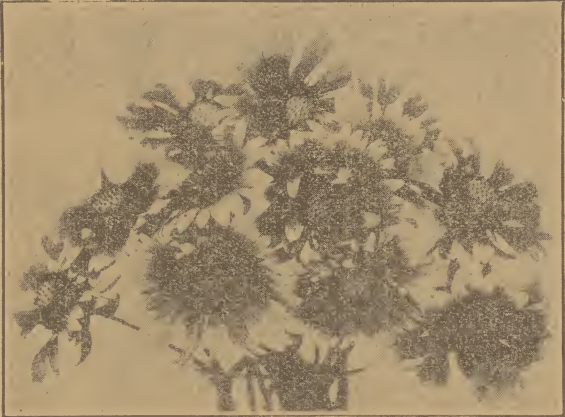
(Chinese Forget-Me-Nots)  
AMABLE—Best treated as an annual, forming strong, bushy plants 1½ feet high and producing sprays of forget-me-not-like flowers throughout the summer. Unsurpassed for massed bouquets. Sow outdoors in April. Blue and pink, white and mixed colors. Each, packet, 10c.

FOUR O'CLOCK

(Marvel of Peru)  
FINE MIXED—This good, old-fashioned annual of bushy habit bears hundreds of white, yellow, crimson and violet flowers during the season. Very charming when used as a hedge plant, with its glossy foliage dotted with flowers in the afternoon. Height, 2 ft. Packet, 10c; oz., 35c.

FOXGLOVE—DIGITALIS

Handsome ornamental hardy plants of stately growth. Produce long spikes of beautiful, tubular flowers. 4 to 5 feet. They are favorites in the hardy border and for growing between shrubs and in shady places.  
GLOXINIAEFLORE—Handsome spotted Gloxinia-like flowers on long spikes. Mixed colors. Packet, 10c.  
THE SHIRLEY—New giant hybrids, spotted throats. Packet, 10c.



GAILLARDIA

(Blanket Flower)  
Both the annual and perennial strains of Gaillardias are effective and valuable summer flowering plants for bedding, for borders and for cutting. If sown early they begin to bloom in July and continue a mass of bloom until late fall, blooming also in winter in all mild sections of the country. Height, 2 to 2½ feet.  
PICTA LORENZIANA—Superb double flowering strain. Annual. Packet, 10c.  
INDIAN CHIEF—Copper red, a new color which cannot fail to win admiration. Annual. Packet, 10c.  
PORTOLA HYBRIDA—A new variety with flowers 4 inches across. They are very striking in appearance, the petals being of brilliant scarlet, tipped gold yellow. Perennial. Packet, 10c.  
THE DAZZLER—Intense maroon red and golden yellow. Perennial. Packet, 10c.  
BURGUNDY—New coppery scarlet. Perennial. Packet, 10c.

GAZANIA

SPLENDENS HYBRIDA GRANDIFLORA—Showy half hardy perennial, flowers first year when sown early. Plants are low growing, with a goodly quantity of long-stemmed, showy, daisy-like flowers in brilliant shades of orange and yellow, as well as cream and white. Each flower is marked at the base of the petals with black, brown or green spots. It is fine for summer bedding or border work, being best in a sunny location. Packet, 10c.

GERANIUM

ZONALE MIXED—A superb strain of the largest and finest varieties. 1 to 2 feet. Packet, 10c.

GERBERA—TRANSVAAL DAISY

Splendid greenhouse perennials with large, fine-leaved, daisy-like flowers; splendid for pot plants or cuttings.  
JAMESONI HYBRIDA—These hybrids include a wonderful range of brilliant colors and shades. Packet, 15c.

GEUM (Avens)

A beautiful double flower prized for its brilliance of color and earliness. Fine for border edging, rock garden and cutting. Blooms from June to September and flowers the first year from seed sown indoors in early spring. Height, 2 ft.  
Lady Stratheden. Double yellow. Packet, 10c.  
Mrs. Bradshaw. Dark orange-scarlet like a double violet, 2 feet above a rosette of leaves. Packet, 10c.

GILIA

CAPITATA—Graceful annual, growing to a height of about 2 feet and bearing beautiful, globular flowers about 1 inch in diameter. Color a rich lavender blue. Foliage is feathery and very pretty. A native of California, easily grown and very effective for mixing with bouquets. Sow seed in fall, where plants are to remain. Packet, 10c; oz., 35c.

GODETIA

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 to 10 inches apart. The flowers are bright and colorful, and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.  
Upright Single Finest Mixed. Packet, 10c; ¼ oz., 30c.  
Tall Double Azalea Flowered, Mixed Colors. Packet, 10c; ¼ oz., 30c.

ORNAMENTAL GOURDS

The growing of ornamental gourds has come much to the fore in recent years. They are hybrids and therefore many surprises will be found when the fruits mature. Many are fantastically beautiful and some useful. Seeds should be sown about 1 inch deep, after all danger of frost is over, and the plants should be left 1 to 2 feet apart. Plant in full sun and keep soil moist, but not too wet.

Calabash (pipe Gourd).....	Pkt., 10c	Dipper.....	Pkt., 10c
Dish Cloth.....	Pkt., 10c	Bottle.....	Pkt., 10c
Pear, striped yellow and green.....	Pkt., 10c	Spoon.....	Pkt., 10c
Turk's Turban.....	Pkt., 10c	Mixed Gourds.....	Pkt., 10c; oz., 50c

GYPSOPHILA (Baby's Breath)

Feathery panicles of tiny star-shaped flowers, daintily borne on slender stems. A charming effect may be had by mixing sprays of Baby's Breath with other cut flowers. Height, 1½ ft.

Elegans, Crimson Gem. This new strain has a charming, bright anilin-red color and contrasts beautifully in bouquets of large white or blue flowers. Annual. Packet, 10c; oz., 50c.

Elegans Alba Grandiflora, Covent Garden Market Strain. Larger-flowering, pure white form, of free, easy growth. Several sowings should be made during the season to keep up a supply. Annual. Packet, 10c; oz., 50c.

Elegans Rosea. A pretty blush-pink form, of the above and equally valuable for cutting. Annual. Pkt., 10c; oz., 50c.  
Pacifica. A good rose-colored perennial Baby's Breath, flowering after G. paniculata has passed. It is very hardy, resisting dry heat and severe cold equally well. The 4-foot plants bear myriads of small rose-pink flowers. Packet, 10c.  
Paniculata (Baby's Breath). Minute white flowers; fine for bouquets. Blooms in June and July first year if sown early. Height, 3 ft. Perennial. Packet, 10c; oz., 60c.  
Paniculata Double Snow White. Packet, 10c.

HELIANTHUS (Sunflower)

Prized for cutting, the tall sorts are largely used in the perennial border; the dwarf sorts make good edgings for the tall. Remarkable for their stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. Sown on a sunny spot in April

or May, they bloom from early summer until cut down by frost.

Double Chrysanthemum-flowered. Rich golden yellow, very double flowers. Height, 4 ft. Packet, 10c.  
Maroon Prince. The best red Sunflower with single flowers of true maroon. Height, 4 ft. Packet, 10c.

HELENIUM (Sneezewort)

This striking tall plant supplies a wealth of bloom late in the summer. Well above the base a central stalk throws out numerous branches bearing terminal flowers so profusely as to appear like a handsome bouquet. The individual flower, more than an inch across, is formed of a single row of broad petals around a globular center. It is deep golden in color, effective in the border, and suitable for cutting.  
Autumnale Superbum. Packet, 10c.

HELIOTROPE

This fragrant plant has an individual charm all its own. In the border its somber green foliage and large clusters of dark blue to deep violet flowers lend themselves to pleasing contrasts with the more vivid leaves and flowers of most other plants. It is a rapid grower, and from seed started early in the spring will make fine flowering plants by early summer, while in a warm climate it will continue to live and bloom all winter.  
Dark varieties mixed. Packet, 10c.

HEUCHERA (Coral Bells)

Sanguinea. Delightful low border perennial about 1 ft. high, producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall or in spring and transplant. Packet, 10c.

HIBISCUS

Beautiful shrub-like plants growing from 3 to 5 feet high. The flowers are 4 to 5 inches in diameter, and our mixture contains many bright and varied colors. Perennial. If sown early in the spring will bloom the first year, and it is a good idea to cut the plants back after blooming. Finest Mixed. Packet, 10c.

HONESTY (Lunaria)

Biennis. A biennial plant of the easiest culture usually reseeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. Packet, 10c.

HONEYSUCKLE—FRENCH

(Hedysarum)  
Coronarium. Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly valuable for seaside planting. Colors, red and white mixed. Packet, 10c.

HOLLYHOCKS

Indispensable wherever height and color are required in the garden. The giant stalks with closely-placed double, semi-double or single flowers, rise to a height of 6 or 7 feet, and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom throughout the following season.

Double Rose. Pkt., 10c.
Double Yellow. Pkt., 10c.
Double Mixed. Pkt., 10c.
Double Crimson. Pkt., 10c.
Double Maroon. Pkt., 10c.

DOUBLE TRIUMPH. Waved and fringed flowers in art shades. Packet, 10c.

EXQUISITE. New, large flowers with curled, fringed, white margined petals. Mixed colors. Packet, 10c.

SINGLE ANNUAL. Mixed colors. Pkt., 10c.

Double Emperor. Large fringed rosette flowers, in charming color combinations. Pkt. 10c.

HUMULUS

(Japanese Hop)

This rapid summer climber, which grows 20 to 30 feet, resembles the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant and deeply cut, making a dense covering. It is one of the best plants for covering verandas and trellises, producing grateful shade, and is ornamental. Heat, drought and insects do not trouble it.  
Variegated. Foliage variegated with creamy white on deep green. If sown late in May, will reach, in four to six weeks, a height of 10 to 15 feet. Packet, 10c; ¼ oz., 25c.

HYACINTH BEAN

(Dolichos)  
Tender Perennial Climber. Noted for its large clusters of snowy white or purple flowers. It grows rapidly and makes a fine screen of thick foliage. Packet, 10c.

ICE PLANT

(Mesembryanthemum)  
CRYSTALLINUM—The variety is largely grown for glistening foliage. Leaves are large, fleshy and covered with glistening dots. The flowers are small and white. Packet, 10c.  
TRICOLOR—This variety forms a veritable carpet of triple-colored flowers. The petals are a brilliant red with black center and white zone. Packet, 15c.

JACOBÆA

DOUBLE MIXED—Graceful, free-flowering annual, producing dense heads of double flowers, which make delightful bouquets. Packet, 25c.

KENILWORTH IVY

An attractive little perennial trailing plant, very useful for baskets, pots and rock work. Packet, 10c.

KOCHIA

(Summer Cypress)  
CHILDISH IMPROVED—A splendid ornamental annual plant, forming dense oval bushes, 2 to 4 feet high, of small feathery light green foliage. As summer advances this changes to a carmine hue and finally to a fiery red. A very attractive plant at all times. Also called "Burning Bush." Packet, 10c.

KUDZU VINE

(Pueraria Thumbergiana)  
One of the most rapid growing vines known, often making 40 feet in a season. It may be trimmed frequently for stock feed. All kinds of animals eat it readily; especially good for milk cows and goats. The seed is slow in germinating and should be punctured or soaked over night in warm weather. Packet, 10c; oz., 75c.

ORDER BLANK ON PAGE 20

PLANT CONTINUALLY AND YOUR YARD WILL ALWAYS HAVE COLOR

LANTANA

A tender perennial. The plants become shrubs either large or small according to variety. They are used for borders, hedges and specimen plants, and bear verbenalike clusters of flowers. The mixtures which we offer contain scarlet, orange, white, yellow, rose and other colors. We do not have separate colors.

Choice Tall Mixed—Height, 3 to 5 feet. Packet, 10c.

LARKSPUR

By sowing the seeds at frequent intervals you may have Larkspurs blooming several times during the year. For best results seeds should be sown where the plants are to remain, and they are most easily sprouted when the soil and weather are cool. Transplanted plants of Larkspurs very often do not thrive.

GIANT IMPERIAL

Tall, upright, compact, basal branching in habit, the Giant Imperial have superseded all other types of Larkspurs for florists' and general garden use. The delphinium-like spikes of double flowers, carried on stems 4 to 5 feet long, are compactly placed on the upright growing plants, requiring only about one-half the space needed for the old stock flowered type of Larkspur.

BLUE BELL—Azure blue.....	Pkt. 10c
BLUE SPIRE—Very deep violet blue.....	Pkt. 10c
LILAC SPIRE—Exquisite lilac color.....	Pkt. 10c
LOS ANGELES IMPROVED—Brilliant pink on salmon.....	Pkt. 10c
WHITE SPIRE—Pure white.....	Pkt. 10c
FINEST MIXED.....	Pkt. 10c

TALL DOUBLE STOCK FLOWERED

LA FRANCE—Pleasing light salmon pink....	Pkt. 10c
LUSTROUS CARMINE—Deep carmine rose.....	Pkt. 10c
PURPLE.....	Pkt. 10c
ROSAMOND—Pure deep rose.....	Pkt. 10c

LAVENDER

LAVANDULA VERA (hP-2 ft.)—This is the lavender our grandmothers grew and dried for placing among their linens. Now it is used not only for sachets but also as an essence in making perfumes, and sometimes for seasoning. It is a pleasing addition to the home garden border, too, because of the feathery appearance of the delicate gray foliage, the little lavender blue flowers and the dainty fragrance. Since it is a native of dry, sandy wastes, this plant may easily be cultivated in any sort of garden soil. Packet, 10c.

LAVATERA

ANNUAL MALLOW (hA-3 ft.)—The showy flowers and large, downy leaves of these annual mallows produce a decorative effect in hedges or background borders. The large cup-shaped blooms, measuring 2 to 3 inches across, are borne on short stems in the axils of the upper leaves. They bloom profusely during the entire summer and make long-keeping cut flowers, as the buds continue to expand in water. In habit they are rather spreading, but this is an advantage, as they may be sown late to fill a vacant spot following spring flowers. Packet, 10c.

LATHYRUS

LATIFOLIUS (Perennial Sweet Pea) (hP-C-5 ft.)—This sturdy vine with luxuriant pea-like foliage is often called Perennial Sweet Pea, although it is entirely lacking in fragrance. The handsome flowers, also pea-shaped, are borne in large clusters of 8 to 10 each; they are somewhat thick and waxy in appearance. The vine may be trained upon a support, but it is also well adapted to scramble over rocks and other rugged places. The plants are of simple culture and bloom for a long period, although in a northern latitude they die at frost to renew growth in the spring.  
Crimson, Pink Beauty, White. Each, packet, 10c. Mixed, packet, 10c.

LEPTOSYNE

STILTMANN—One of the quickest annuals, blooming in five weeks from seed. The 15-inch plants are covered with medium-sized, golden yellow, cosmos-like, single flowers for a long period. Excellent for cutting. Packet, 10c; ¼ oz., 60c.

LINARIA

MAROCCANA MIXED—Annual growing about 1 foot high, producing graceful spikes of varied colored flowers. They are of easy culture and once established will grow to good size plants and produce a wealth of bloom. Sow in flats and transplant. Packet, 10c; ¼ oz., 25c.

FAIRY BOUQUET

(New) Very compact plants about eight to 10 inches high, in many distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. A gem for the border or rock garden. Packet, 10c.

LINUM (Flax)

The flax family numbers several varieties with such brilliant flowers that they deserve a place in the home garden. While the life of the individual flowers is short, the continued succession prolongs the blooming season through the summer. The plants have slender foliage and are dainty in appearance. They are quite suitable for growing in beds or low borders.

GRANDIFLORUM RUBRUM (Scarlet Flax) (hA-13 in.) —Produces clusters of saucer-shaped flowers of a glossy bright red with dark centers. Packet, 10c; oz., 40c.

FLAVUM (Yellow Flax)—Masses of golden yellow flowers on 12-inch plants, from June until September. Very pretty in the border. Packet, 10c.

PERENNE, BLUE (Blue Flax)—Showy plants of long duration, having fine foliage and delicate stems, with deep blue flowers from May to August. Ht., 1½ ft. Packet, 10c.

LOBELIA

Exceedingly pretty, profuse-blooming plants for the garden and for hanging basket. Sow indoors in March, and thin moderately or transplant several inches apart in rich soil. Height, 6 in.

CRYSTAL PALACE COMPACTA — Rich deep blue, dark foliage. The finest variety for bedding. Height, 6 in. Packet, 10c; ¼ oz., \$1.00.

CARDINALIS (Cardinal Flower)—Perennial; long, full spikes of flaming scarlet flowers, with green foliage. Packet, 10c.

HYBRIDA SAPPHIRE — Deep blue with white eye. Packet, 10c.

LUPINUS (Lupine)

Free-flowering, easily grown, with long, graceful spikes of rich and various-colored pea-shaped flowers. Valuable for mixed borders, beds and for cutting. Sow in the open in May and thin out, leaving about 1 foot between the plants. They bloom from June until September. Do not transplant. Height, 2 ft. Hartwegi, mixed. Packet, 10c; ¼ oz., 60c.

MATHIOLA BICORNIS

(Night Scented Stocks)  
An old-fashioned annual whose purplish flowers are of delightful fragrance emitted in the evening. Packet, 10c; oz., 30c.

MATRICARIA

(Fever Few)  
DOUBLE WHITE (Capensis) — A perennial bearing small double white flowers. Good for cutting. An old-fashioned garden flower. Packet, 10c.

GOLDEN BALL — A compact dwarf plant, used for borders. The flowers are a double yellow and bloom freely. Packet, 10c.

MIGNONETTE

Hardy annual, growing 6 to 12 inches high and bearing pyramid-shaped spikes, exceedingly fragrant. The seeds may be sown from early spring until fall for a succession of bloom. It is used for bedding, borders and cut flowers.

NEW YORK MARKET — A magnificent strain of Mignonette especially suitable for florists. The flowering spikes are extra long. Packet, 10c; ¼ oz., 50c.

GOLIATH RED—Robust growing variety with enormous spikes of red colored flowers; height, 15 inches. Packet, 10c; ¼ oz., 40c.



**MIMULUS**

(Monkey Flower)

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height, 1½ feet.

**CARDINALIS** (Scarlet Monkey Flower)—Rich dark red. Packet, 15c.

**TIGRINUS GRANDIFLORUS**—Superb spotted and tigered strain, large flowered. Mixed. Packet, 10c.

**MOSCHATUS** (Musk Plant)—Small yellow flowers, attractive for pots or baskets. Foliage musk scented. Packet, 10c.

**MARIGOLDS****ANNUAL**

Marigolds display such a wealth of color after many other plants are past their prime that they are of inestimable value to every garden, and they are all excellent for cutting.

**TALL DOUBLE AFRICAN**

African Marigolds are the tallest, growing about three feet tall. The double ball shaped flowers are the largest, good specimens being over 3 inches across. They are also the latest blooming and have the longest stems.

**MIXED COLORS**—A blended mixture of orange, lemon and gold colors. Packet, 10c; ¼ oz., 30c.

**ALL DOUBLE ORANGE**—A new class with a larger percentage of the immense blooms tightly double or quilled. Packet, 10c; ¼ oz., 80c.

**ALL DOUBLE LEMON**—The same form as the Orange except it is a pleasing lemon yellow. Packet, 10c; ¼ oz., 80c.

**DWARF FRENCH MARIGOLDS**

There are few, if any, of the low growing annuals that are more effective or flower for a longer period. They form dense attractive bushes 1 ft. high and are bedecked with flowers of yellow, orange, brown and maroon.

**DOUBLE FLOWERING**

**DOUBLE MIXED COLORS**—A splendid mixture of all double kinds and colors. Packet, 10c; ¼ oz., 25c.

**TALL FRENCH**

The flowers are much smaller than the African, but are greatly prized for bedding.

**TALL FRENCH MIXED**—In shades of yellow, brown and tricolors. Height, 2 ft. Packet, 10c; ¼ oz., 25c.

**NEW AND UNUSUAL MARIGOLDS****GUINEA GOLD**

This is the variety that proved so popular last year, and was chosen as one of the All-American 1933 introductions. The formation of the flower is more artistic than the old conventional full-double flower, and when in full bloom, reminds one of a giant golden-orange carnation. Plants 2½ ft. high.

**DARK GUINEA GOLD**—Packet, 10c; ¼ oz., 80c.

**SCOTCH GOLD STRIPED**

(New)—A very striking new variety. The full-double flowers are a bright golden-yellow color while the petals are striped and spotted mahogany-brown. This gives it a very contrasting two-color effect. Plants 18 inches high. Packet, 25c.

**DWARF SCOTCH**

**SIGNATA PUMILA**—Probably the best low-border yellow flowers. Just masses of blooms all summer and seems to thrive any place. Packet, 10c; ¼ oz., 80c.

**YELLOW SUPREME**

Like Guinea Gold, it is very free flowering, compact and somewhat pyramidal in habit, 2 to 2½ feet tall, bearing loosely ruffled, carnation flowered blossoms. The color is a light lemon yellow, and the flowers are somewhat larger than Guinea Gold. The characteristic Marigold odor is almost entirely lacking, adding greatly to its usefulness for cutting and garden use. Packet, 10c.

**MOONFLOWERS and MORNING GLORIES**

(Ipomoea)

Splendid rapid growing climbers. Flowers are beautiful and varied and resemble giant Morning Glories. Foliage is luxuriant and makes a growth of 10 to 30 feet a season. The seed of several varieties; especially the moon flower, should have outer shell punctured and then soaked in water for twelve hours or more to germinate it.

**DOUBLE ROSE MARIE** (New)—Flowers are semi-double and deep rose. A good vine and a beautiful flower. Packet, 10c.

**GIANT PINK**—Large flowers in a delightful shade of pink. Packet, 10c.

**GRANDIFLORA** (Moonflower)—Has large, quite fragrant, pure white flowers that open at night and are produced in great abundance. Packet, 10c; oz., 80c.

**HEAVENLY BLUE**—Foliage very large and heart-shaped. Flowers 4 to 5 inches across, light blue, with yellow throats; borne in large clusters. Packet, 10c.

**IMPERIALIS**, Japanese Morning-Glory—A great improvement over the old-fashioned sorts. Flowers are larger, fringed, some double, and appear in unlimited variety of colors. Foliage is very large and often variegated. 10 ft. Packet, 10c; oz., 40c.

**SETOSA**, Brazilian Morning-Glory—Beautiful rose-colored flowers and huge leaves. Remarkably luxuriant in growth. Packet, 10c; oz., 80c.

**NASTURTIUM (Tropaeolum)**

For new varieties see Page 2

Annual. The Nasturtiums deserve every bit of their immense popularity, for they will grow anywhere. The tall or trailing varieties grow quickly and are most useful for screening unsightly spots. The dwarf sorts are fine for edging and massing. Gorgeous dwarf effects can be obtained by planting the separate colors. Sow the seed in the open ground in April.

**DWARF SORTS or TOM THUMB NASTURTIUMS**

**Bronze**—Deep bronze yellow.  
**Empress of India**—Crimson with dark foliage.  
**King Theodore**—Dark maroon red, dark-leaved.  
**Rose**—A beautiful soft rose.  
**Salmon Queen or Vesuvius**—Deep salmon.  
**Price:** Any of the above, 10c per packet.  
**Large Flowering Dwarf Mixed**—All shades. Packet, 10c; oz., 20c.

**TALL NASTURTIUMS**

**Butterfly**—Bright yellow spotted with delicate salmon.  
**Chameleon**—Produces flowers of several different shades on the same plant.

**Dark Crimson**—Rich red.

**Dunnett's Orange**—Bright orange yellow.

**Vesuvius**—A very pleasing shade of salmon rose.

**Price:** All the above varieties, 10c per packet.

**Tall Giants of California Mixed**—A wonderful mixture of giants sorts. Packet, 10c; oz., 20c.

**NEMESIA**

This is an excellent bedding or edging plant, not so well known nor so generally used as it should be. The bushy plants are symmetrical and send up countless slender stalks crowned with flowers. The blossoms are dainty and fairy-like, something like those of Schizanthus, and often the lower part of the flower is of a color contrasting with the upper part. When in bloom, they are a riot of color. They may be trimmed back as they fade, and usually they will flower again the same season.

**COMPACTA TRIUMPH MIXED** (8 in.)—A brilliant blend containing almost every color of the spectrum from deepest red through orange, yellow and blue to dark purple. Of tidy habit. Packet, 10c; ¼ oz., \$1.00.

**NEMOPHILA**

An annual of compact habit with oddly and beautifully colored flowers of blue, purple and white, in unusual markings and blendings. Mixed Colors—Packet, 10c.

**NICOTIANA**

(FLOWERING TOBACCO)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn. 2 to 3 feet.

**AFFINIS**—Fragrant, tubular, pure white flowers. Packet, 10c.

**NIGELLA (Love-in-a-Mist)**

Lovely garden annuals, with finely cut green foliage and curious looking flowers and seed pods.

**MISS JEKYL**—Clear cornflower blue; excellent for cutting. 18 inches. Packet, 10c.

**OENOTHERA**

**BIENNIS** (Evening Primrose)—Annual. Flowers large, fragrant, showy, yellow being the predominating color, affording a fine display. Mixed Colors—Packet, 10c.

**PASSIFLORA (Passion Vine)**

**EDULIS**—Perennial climber and rampant grower, blossoming freely. The pulp of the fruit is delicious. Packet, 10c.

**PANSIES**

Pansies thrive best in a moist, sunny location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms or can be sown early in the year for good flowers later in the spring. The plants must be transplanted twice in order to get the largest flowers; once from the seed box to a chosen bed, and again to the open garden. This is important for large size pansies; use manure liberally. The blossoms are usually larger in the spring and again in the fall, and while they bloom freely all summer, the blossoms are small during the hot months.

It is much more interesting, satisfactory and inexpensive to grow your own pansies from seed. By so doing you may select and carry out your individual color scheme; you may also select your own types and take advantage of some of the finest varieties, the plants of which are not offered for sale.

**SWISS GIANT OR ROGGLI**—Competent judges of flowers of quality have royally welcomed this strain ever since its introduction to the public in 1924. Within the last three years the blossoms have been remarkably improved in every way so that now they stand highest in merit among giant pansies. The plants are compact in habit, they produce immense flowers, circular in outline, and their beauties can be enjoyed for a long blooming season.

**LAKE OF THUM**—Blue with dark blue blotches. Packet, 20c.

**BERNA**—Dark blue. Packet, 20c.

**ALPENGLOW**—Cardinal. Packet, 20c.

**GOLDEN YELLOW**—Blotched. Packet, 20c.

**CLARET**—Wine red. Packet, 20c.

**MIXED COLORS**. Packet, 20c.

**TRIMARDEAU**—Another large flowering class with well-rounded flowers. Normally the upper two petals are of the same single color, contrasting with another shade in the three lower petals which are beautifully blotched. An excellent bedding mixture in many colors, chiefly the rich darker shades.

**GOLDELSE**—Pure yellow. Packet, 10c.

**CARDINAL**—Brilliant red. Packet, 10c.

**YELLOW WITH BLACK EYE**—Packet, 10c.

**DARK BLUE WITH DARK BLOTCHES**—Packet, 10c.

**AZURE BLUE**—Packet, 10c.

**KING OF THE BLACKS**—Packet, 10c.

**ST. KNUD**—Golden orange. Packet, 10c.

**LORD BEACONSFIELD**—Packet, 10c.

**EMPEROR FREDERICK**—Dark red, orange edged. Packet, 10c.

**MIXED COLORS**—Packet, 10c; ¼ oz., \$1.00.

**PENTSTEMON**

**GLOXINIODES "SENSATION"**—The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged. Hardy perennials. Height, 2 feet. Packet, 10c.

**PHLOX DRUMMONDI**

(Texan Pride)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

**Bright Scarlet**.

**Chamois Rose**.

**Rose Pink**.

**Violet**.

**Price:** Any of the above, per packet, 10c.

**PHLOX DECUSSATA**

(Perennial Phlox)

Handsome herbaceous perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. Packet, 10c.

**MAIL ORDERS PROMPTLY FILLED**

WHAT IS BEAUTIFUL ABOUT A HOME IF THE GARDEN IS NEGLECTED?



Petunia  
Knox's Superb  
Giants

From photo of a splendid blossom typical of this strain.

**PETUNIAS**

There are marvelous possibilities in home garden Petunia growing. Many new and improved types may be trained in interesting form on lattice, pillars, mass bedding, etc. The culture of Petunias is simple. Seeds may be planted from September to March in cold frames or boxes. Equal parts of loam soil and fine river sand provide a good seed bed.

Broadcast seeds on the surface and sift fine sand to barely cover the seed. Water with a fine fog spray. A covering of glass will assist in holding the moisture until seeds are germinated and should be removed to give seedlings fresh air and to harden them. Do not expose the very young seedlings to hot sun, but give them plenty of light and air the first few days after germination. A cloth screen is sufficient protection. The very best strains of Petunias will produce a small percentage of inferior flowers, and the smaller plants often produce the best flowers; therefore, plants should be taken as they come.

**FANCY DOUBLE VARIETIES**

**SUPERB DOUBLE FRINGED MIXED**—One of the finest strains of Petunias in existence. The double flowers are very large, full and symmetrically formed, having the edges of the petals beautifully fringed. Pkt. 25c

**GIANT RUFFLED AND FRINGED**

**GIANT RUFFLED MIXED**—An unusually fine mixture of ruffled monsters, containing all colors of the named varieties. Packet, 25c.

**GIANTS OF CALIFORNIA**—A magnificent strain of ruffled and fringed Petunias producing an array of glorious colors, which will be appreciated by all growers of Petunias. Packet, 25c.

**ELKS' PRIDE**—Very large frilled, deep purple. Packet, 25c.

**DWARF GIANTS**—Ramona strain. Plants compact, with large, colorful flowers, with throats well marked and veined. Packet, 25c.

**STANDARD BEDDING VARIETIES**

**ROSE OF HEAVEN**—Dwarf, rose pink. Height about 10 inches, compact and free flowering. Packet, 10c; ¼ oz., 75c.

**NANA ERECTA ROSY MORN**—Of the same compact growth as Nana Erecta Snowball, but of lovely pink color with contrasting white throat. An improved strain. Packet, 10c; ¼ oz., 75c.

**NANA ERECTA VIOLACEA**—A new strain. This is a fine deep violet; the texture of flower is like velvet and the plant growth erect and compact, like all of this class. Packet, 10c; ¼ oz., 75c.

**HOWARD'S STAR IMPROVED**—Large velvety purple with a white star. Makes a very striking and attractive bed or border. Packet, 10c; ¼ oz., 75c.

**HYBRIDA FINE MIXED**—A good Petunia for massing in beds and borders, yielding a profusion of brilliantly marked flowers. Packet, 10c; ¼ oz., 70c.

**SILVER BLUE**—Light blue. Packet, 10c.

**SNOWBALL**—Pure white. Packet, 10c.

**PHYSALIS FRANCHETII**

(Chinese Lantern Plant)

This hardy biennial plant grows to a height of about 2 feet and is a profuse bloomer, producing many large striking flowers of a beautiful, brilliant orange red color resembling Chinese lanterns in shape. Packet, 10c.

**PINKS or DIANTHUS**

These annuals are strong, sturdy growers, blooming from early summer until fall. They require a moderate amount of sunshine but thrive almost anywhere. The seed may be sown in April and transplanting done while the plants are quite small. Height, 12 in.

**CHINENSIS, DOUBLE MIXED** (China or India Pinks)—These bloom in clusters with very double flowers in a large range of bright colors. Packet, 10c.

**HEDEWIGII** fl. pl. (Double Japan Pink)—A colorful mixture including everything from the most delicate rose to the richest velvety crimson imaginable. Packet, 10c.

**HARDY DWARF PINKS**

These hardy perennials are unsurpassed for color and fragrance and are splendid for borders. They bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. The double-flowering variety are quite as fine as carnations for cutting.

**ALLWOODI ALPINUS**—A wonderful plant for rock-gardens and stone walks. The tiny plants, only 4 inches high, are covered with small, Dianthus-like flowers ranging through purple, white, pink and the darker rose shades. Packet, 10c.

**FLUMARIUS** (Grass Pink, Scotch Pink or Pheasant-eye Pink)—A beautiful, single, hardy pink with fringed edged flowers of various colors. Spicy fragrance. Packet, 10c.

**SWEET WIVENSFIELD**—The most popular Dianthus introduced in recent years; growing much like Sweet William only the flowers are larger and it has a much wider range of color. Packet, 10c.

**FLUMARIUS SEMPERFLORENS** (Everblooming Hardy Garden Pinks)—Very beautiful semi-double, double and single flowers in a great diversity of colors. Delightfully sweet scented. Packet, 10c.

**POPPIES**

Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly, preferably in cloudy weather or after a shower; barely cover the seed, press down firmly and they will come up in a few days. If they come up too thickly they must be thinned out to stand 3 to 4 inches or more apart if you wish best results. It is well to make several sowings at intervals to keep up a succession of bloom.

If picked before expanding the flowers will last several days. It is also advisable to pick the old flowers when the petals fall, which will lengthen the blooming season quite a while.

**ANNUAL VARIETIES**

For flaming brilliancy, Poppies have no rivals among the annual flowers. Some varieties are suitable for cutting; the Shirleys, in particular, if picked early in the morning with the buds just showing color, last well in water.

**ANNUAL ORIENTAL**—These huge red Poppies, like the perennial Oriental Poppies, are of great substance, but remain in bloom two weeks longer. Packet, 10c; ¼ oz., 25c.

**SHIRLEY IMPROVED, Mixed**—A great favorite, coming in many beautiful shades—rose, salmon, apricot, pink, crimson, red with white margin, etc. Height, 2 ft. Packet, 10c; ¼ oz., 25c.

**TULIP POPPY**—Flowers 3 inches across, resembling the brilliant scarlet Gesneriana tulip. Height, 2 feet. Packet, 10c.

(Continued on Page 7)



(Continued from Page 6)

**AMERICAN LEGION**—A greatly improved English Scarlet or Flanders Poppy with very large, single flowers of a beautiful, rich, dazzling orange-scarlet color. Grows 2 feet high. Packet, 10c; ¼ oz., 25c.

**DOUBLE CARNATION FLOWERED MIXED**—Flowers are very double, ball-shaped and well fringed. The plants grow 3 to 4 feet high, bearing blooms of brilliant colors, making a grand garden display. Annual. Packet, 10c.

**PERENNIAL VARIETIES**

**ICELAND** (*Papaver nudicaule*)—Will bloom the first year if planted early. Of graceful habit, coming in a variety of colors. Single or Double Mixed. Packet, 10c.

**ORIENTAL** (*P. orientale*)—Large, brilliant flowers. The loose, silken petals have a blotch of black at the base. 2 feet. Mixed. Packet, 10c.

**PORTULACA****MOSS ROSE**

This garden gem has great virtue in that it will thrive in a dry sunny spot where most other flowering plants would die of thirst. It is of spreading habit with fleshy stems, light green in color, and often tinged with red. Small needle leaves give it a mossy appearance. The glossy cup-shaped single blossoms and rose-like double flowers about 1 inch across cover the plants and create a dazzling display of color throughout the summer. Ideal for a ground cover over a sunny bank or for low edging.

Single—This large flowering type with gay single flowers is most satisfactory. Mixed—Packet, 10c; ¼ oz., 50c.

**DOUBLE MIXED**—Sometimes called "Bed of Roses." A choice blend which, while never entirely fixed, will produce a large percentage of doubles. Packet, 10c; ¼ oz., 35c.

**PRIMULA (Primrose)**

All strains of this early flowering perennial are very beautiful. Several, such as *Obconia*, *Malacoides* and the English Primrose may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame. 9 inches.

**OBCONICA GIGANTEA**—Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, rose, soft pink and white. Packet, 20c.

**MALACOIDES** (The Baby Primrose)—A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute lilac flowers; about one foot high. Packet, 25c.

**VULGARIS** (English Primrose)—Old favorite, canary yellow. Packet, 10c.

**PYRETHRUM (Painted Daisy)**

These very handsome herbaceous perennials have flowers of brilliant colors which are very lasting. They are especially fine for cutting and the pink and rose types add a splendid touch to masses of delphiniums in bouquets.

**AUREUM** (Golden Feather)—Bright golden yellow foliage, 8 inches. Packet, 10c.

**FLOWERING SORTS**

**ROSEUM**—Flowers bright rose color. July. 2 feet. Packet, 10c.

**RANUNCULUS**

**GIANT FRENCH MIXED**—Beautiful perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, rose, orange and yellow. Excellent cut flower. If sown early they bloom the first season. Packet, 10c; ¼ oz., 50c.

**ROMNEYA COULTERI**

(Matilija Poppy)

The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. 6 to 10 ft. Pkt., 10c.

**RICINUS (Castor Oil Plant)**

Effective for semi-tropical garden. Easily raised from seed and should be grown in deep, rich soil.

**ZANZIBARENSIS**—The giant type of the Castor Bean. Foliage varies in shades of color during the different stages of growth. Very suitable as a windbreak. Packet, 10c; oz., 20c.

**SALPICLOSSIS**

Sun-loving, velvet-petaled annual, 2½ feet in height. The richly colored, trumpet-shaped flowers are produced in the greatest profusion throughout the season and are magnificent for summer bedding in sunny locations. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot. Splendid for cutting.

**PURPLE**—Netted and penciled with gold. Packet, 10c.

**VELVETY RED**—Packet, 10c.

**GLOXINIA FLOWERED MIXED**—All shades, beautifully veined and mottled. Packet, 10c.

**SALVIA (Flowering Sage)**

Brilliant subjects for summer bedding and border planting, flowering freely throughout the season. Although perennial they bloom quickly from seed. Sow early indoors or in hot bed and transplant in spring or may be sown out doors in April or May and thinned to 15 inches apart. An open, sunny location is best, but succeeds also in partial shade.

**SPLENDENS** (Scarlet Sage)—Bright fiery scarlet, one of the most effective and showy of all bedding plants. 2 feet. Packet, 10c.

**FIREBALL**—Similar to the above but more compact and bushy. 1½ feet. Packet, 10c.

**PATENS**—Navy blue. Splendid species for permanent border where heavy frost is not feared. 2½ feet. Packet, 10c.

**FARINACEA**—Bright light blue. 40 inches. Pkt. 10c.

**SAPONARIA**

(Bouncing Bet)

**MULTIFLORA** (*Calabrica*)—Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white; valuable for bedding, rockwork, etc. Packet, 10c.

**SANVITALIA**

(Trailing Sunflower)

**PROCUMBENS** Fl. Pl.—Free blooming, trailing plants for beds, rockeries, etc. Very double, golden yellow. Packet, 10c.

**SCHIZANTHUS (Butterfly Flower)**

The plants branch freely and form a neat bush 2 feet high, literally covered with butterfly blooms of such exquisite pale colorings as are found in orchids. Sow in hot-bed in March and April and transplant seedlings. When 3 inches tall, pinch out top. Follow by sowings outdoors in May and June to keep up a succession. For December and January bloom, start seed September 1 and shift seedlings up to November 10.

**WISSETONENSIS HYBRIDS**—These range from white through pink, yellow and carmine to purple. Packet, 10c.

**SENSITIVE PLANT—MIMOSA**

**PUDICA**—Very curious and interesting plant with "sensitive" foliage, which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft. Packet, 10c.

**STATICE**

**SINUATA**—An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and make fine winter bouquets. It may be planted both in the spring and late summer. The seed should be kept quite moist until germinated. Mixed. Packet, 10c.

**CASPIA**—A lovely variety having blue minute flowers borne in long sprays, which is much used to mix with other flowers because of its dainty, graceful effect. It is a hardy perennial, flowering during the summer and early fall. Packet, 10c.

**LATIFOLIA**—This variety produces large branching sprays of minute lavender-blue flowers that are invaluable for cutting. May be dried and used with everlasting flowers. Perennial. Packet, 10c.

**PEREGRINA**—A hardy perennial. The leaves are large and glossy and the flower stalk grows to a height of 2 feet or more above the leaves and is crowned with a mass of small violet blue flowers. This variety is popularly grown among shrubbery and as specimen plants. Packet, 10c.

INOCULATE SWEET PEA SEED WITH "NITRAGIN"—STIMULATES GERMINATION AND GROWTH. SEE PAGE 19.

**SCABIOSA**

Large Flowering Annual Varieties

**MOURNING BRIDE, PIN CUSHION**—An old garden favorite and which has been much improved recently.

The flowers are large and vary from a lovely light blue to deepest red. They are borne on long, graceful stems and produce a bountifully from spring until autumn. They are especially recommended for cutting. Sow seed in boxes and transplant or sow in open ground after frost is over and thin to 15 inches apart. Height, 3 to 4 feet. Pkt., 10c.

**HARDY PERENNIAL SCABIOSA**

Perennial Scabiosa are highly decorative and invaluable for cutting, lasting a long time in water. Seed should be planted in the fall for preference, but if sown in early spring the plants will bloom the first season. Height from 2 to 3 feet.

**ISAAC HOUSE HYBRIDS**—This new hybrid strain is a great improvement over the *Caucasica* variety. The flowers are large with ruffled petals and range in color from white to darkest blue—lilac and mauve predominating. Packet, 15c.

**COLUMBARIA PINK**—Flowers of this beautiful new scabiosa are 2-2½ inches across, borne on long, slender stems. The attractive pink shades are decidedly novel in a perennial scabiosa. Packet, 10c.

**COLUMBARIA LAVENDER**—Similar to above but flowers dainty lavender shade. Packet, 15c.

**SMILAX**

**MYRSIPHYLLUM ASPARAGOIDES**—(t-P-C-6 ft.)—No twining climber in cultivation surpasses this in graceful beauty of foliage. Unfortunately its susceptibility to cold permits it to be used outdoors only in a mild climate while in the North it needs to be grown inside. It supplies fine, long sprays of small, glossy, green leaves which keep several days without wilting and make fine decorative material. Packet, 10c.

**STOKESIA (Cornflower Aster)**

**CYANEA**—A very comely perennial, growing 2 feet tall and bearing handsome lavender blue cornflower-like blooms in profusion. Flowers from midsummer until frost; good cut flower. Packet, 10c.

**SWEET WILLIAM (Dianthus Barbatus)**

A hardy perennial blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful bedding plant.

**SINGLE MIXED**—Very attractive. Packet, 10c.

**DOUBLE MIXED**—Packet, 10c.

**ANNUAL SINGLE MIXED**—A fine mixture, blooming the first year from seed. Packet, 10c.

**STOCKS**

Sow the seeds of Stocks in flats or cold frame and transplant to the garden when they are 2 or 3 inches high. For winter bloom in California they require sun and well drained soil. In heavy soil, plant them on a slight ridge, permitting the water to drain from them during the rainy season. Stocks are selected to produce an average of 75% plants bearing double flowers. For a mass of all double flowers, set close together and remove the single flowered plants when first flowers appear. Stocks are an outstanding garden favorite because of their delicately colored spikes and fascinating penetrative odor.



Early Branching Mammoth Nice Stocks

**EARLY GIANT IMPERIAL STOCKS**

This wonderful new strain of Stocks is of branching habit, making it possible to break long branches of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks makes them most desirable for garden or for vases, and the Bismarck is the very latest improvement.

**ANTIQUE COPPER**—Hellebore red ..... Packet 10c  
**APPLE BLOSSOM**—Blush ..... Packet 10c  
**ELKS' PURPLE**—Dark purple ..... Packet 10c  
**FIERY BLOOD RED**—Bright red ..... Packet 10c  
**GOLDEN ROSE**—Light golden rose ..... Packet 10c  
**LAVENDER**—Light lavender ..... Packet 10c  
**LILAC**—Dark lavender ..... Packet 10c  
**ROSE**—Deep rose pink ..... Packet 10c  
**WHITE**—Pure white ..... Packet 10c  
**BISMARCK MIXED**—All colors ..... Packet 10c

**GIANT WINTER NICE STOCKS**

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states en-

SAVE THIS SECTION

joying mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.  
**BEAUTY OF NICE**—Delicate flesh ..... Packet 10c  
**BELLE OF NAPLES**—Old rose ..... Packet 10c  
**BRIGHT VIOLET**—Fine rich violet ..... Packet 10c  
**LILAC** ..... Packet 10c  
**MONT BLANC**—Pure white ..... Packet 10c  
**MONTE CARLO**—Canary yellow ..... Packet 10c  
**SOUVENIR DE MONACO**—Crimson ..... Packet 10c  
**FINEST MIXED** ..... Packet, 10c; ¼ oz., 75c

**LARGE FLOWERING TEN-WEEK STOCKS**

Our improved strain of this popular summer Stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.

**FLESH COLOR** ..... Pkt. 10c  
**BRIGHT BLUE** ..... Pkt. 10c  
**BLOOD RED** ..... Pkt. 10c  
**PURPLE** ..... Pkt. 10c  
**BRIGHT ROSE** ..... Pkt. 10c  
**PURE WHITE** ..... Pkt. 10c  
**YELLOW** ..... Pkt. 10c  
**FINEST MIXED**—Packet, 10c; ¼ oz., 90c

**SWEET PEAS****Giant Spencers**

Sweet Peas command the attention and admiration of every lover of flowers. They are so easy to grow, and produce such wonderful effects no home should be without them. Plant them along the fence, against the house or garage or string them up on wires or netting in the center of the yard. A southeast exposure is best, but they will bloom most anywhere if they get part sunshine.

Plant them now and they will grow during the winter and develop a good strong root system and naturally produce a much larger and more beautiful flower. After spading, break up any lumps and stamp the soil down very firm. Sweet Peas desire a firm seed bed to produce sturdy growth and long stems. Plant the seeds about one-half inch deep and six inches apart. Most people plant them too close together. After planting soak the ground good, and as the ground dries keep the top worked up so that it will not crust or bake. When the plants are about three inches high it is time to provide some means of support. Stakes with strong string supports are fairly good, but wire mesh is much better. Keep pruning out the lateral branches that have a tendency to cover one another, as crowded plants never produce fine flowers. As fast as the Sweet Peas bloom, cut (do not pull) them off, as withered or dry blossoms spoil their looks and will cause them to go to seed too soon.

The Sweet Pea seeds we offer are grown by the best growers in the world, and we can safely and conscientiously say that there are none better. A great deal of time and money is spent bringing out new and better varieties and improving the older sorts. We submit the following list as the cream of varieties and feel sure that they will give entire satisfaction:

**NEW VARIETIES****LATE FLOWERING SWEET PEAS**

**ARTISTE**—Glowing, clear geranium pink of extraordinary beauty. The clear, deep salmon-shaded rose pink is livened by the almost white ground which shows up at the base of the standard. The vines are vigorous and very floriferous. Pkt., 25c.

**CAPRI**—The flowers are bold, beautifully waved and properly spaced on the long, stout stems. Color, while classified as a light blue, this shade is often referred to as light lavender. Pkt., 25c.

**GRAND SLAM**—It is clear, bright scarlet cerise, shaded with orange. The flowers are large, bold and well placed on good strong stems borne on vigorous growing vines. Pkt., 25c.

**LULLABY**—This is a charming shade of light rose pink on white ground. Pkt., 25c.

**STYLIST**—There is a decided flush of salmon tone in the pink coloring and the ground color is practically white. Pkt., 25c.

**LATE FLOWERING SPENCERS**

The flowers of the Giant Spencer type are very large and wavy. The vines are extremely vigorous, often growing 8 to 10 feet in height. If planted in the fall they begin to bloom early in spring and if the blossoms are gathered daily and no seed pods allowed to form they continue to flower freely for several months.

**ASTA OHN**—Lavender, tinted mauve ..... Pkt., 10c; oz., 25c

**AUSTIN FREDERICKS**—Pure lavender. Pkt., 10c; oz., 25c

**ALL BRIGHT**—Intense fiery scarlet ..... Pkt., 10c; oz., 25c

**COUNTESS**—Light pink, shading darker toward edges ..... Pkt., 10c; oz., 25c

**CRIMSON KING**—Rich oxblood crimson. Pkt., 10c; oz., 25c

**CONSTANCE HINTON**—Pure white, with black seed ..... Pkt., 10c; oz., 25c

**FLORENCE NIGHTINGALE**—Bluish lavender ..... Pkt., 10c; oz., 25c

**HERCULES**—Rose pink ..... Pkt., 10c; oz., 25c

**ILLUMINATOR**—Cerise, salmon with an indication of bright orange ..... Pkt., 10c; oz., 25c

**KING EDWARD**—Pure red ..... Pkt., 10c; oz., 25c

**MAJESTIC CREAM**—Deep cream ..... Pkt., 10c; oz., 25c

**MRS. CUTHBERTSON**—Standard rose pink, wings white ..... Pkt., 10c; oz., 25c

**MARY PICKFORD**—Cream-pink with a soft suffusion of salmon ..... Pkt., 10c; oz., 25c

**MISS CALIFORNIA**—Cream-pink with a salmon and orange hue ..... Pkt., 10c; oz., 25c

**MRS. TOM JONES**—Bright delphinium blue ..... Pkt., 10c; oz., 25c

**NUBIAN**—Giant maroon ..... Pkt., 10c; oz., 25c

**OTHELLO**—Rich oxblood maroon ..... Pkt., 10c; oz., 25c

**PINKIE**—Rose pink ..... Pkt., 10c; oz., 25c

**REFLECTION**—Clear blue ..... Pkt., 10c; oz., 25c

**ROYAL PURPLE**—Deep and rich purple. Pkt., 10c; oz., 25c

**TANGERINE**—Orange ..... Pkt., 10c; oz., 25c

**WEDGEWOOD**—Bright blue ..... Pkt., 10c; oz., 25c

**WINNIE MORSE**—Delicate cream pink with charming rose pink blush ..... Pkt., 10c; oz., 25c

**YOUTH**—Large white, edged soft pink. Pkt., 10c; oz., 25c

**MIXED COLORS**—A good selection of all good colors ..... Pkt., 10c; oz., 25c

**CHIEFTAIN**—Satiny mauve ..... Pkt., 10c; oz., 25c

**PINNACLE**—Deep rose-pink ..... Pkt., 15c

**RAPTURE**—Deep rose-pink on cream ..... Pkt., 15c

**THE FLAG LIEUTENANT**—Deep violet blue ..... Pkt., 10c; oz., 25c

**AURORA**—White marbled light rose pink ..... Pkt., 10c; oz., 25c

**SUNPROOF SCARLET**—The brightest scarlet ..... Pkt., 10c; oz., 25c

**EARLY FLOWERING SPENCERS**

This group of Sweet Peas deserves more attention from home gardeners who may have been disappointed in growing the later varieties. They come into bloom from three to four weeks earlier, and for that reason they should be well in flower before the summer droughts arrive. In addition to this, the vines have a long blooming season, and where nights are cool they will continue to bear for months. They are less branching than those of the late Spencers, but the blossoms are equally large, beautifully waved, and are carried on long stems. They are ideal for late fall planting and where the winters are mild, as in our Gulf states, those bordering on the Rio Grande, and in California they are used in large quantities at that season of the year.

The Early Flowering Spencer has also earned marked recognition from a great many commercial growers for forcing under glass.

**AVIATOR**—Glowing crimson ..... Pkt., 10c; oz., 30c  
**BURPEE'S ORANGE**—Light orange ..... Pkt., 10c; oz., 30c  
**HARMONY**—Clear lavender ..... Pkt., 10c; oz., 30c  
**ORIENTALE**—Clear deep cream ..... Pkt., 10c; oz., 30c

(Continued on Page 8)



(Continued from Page 7)

SPRINGSONG—Bright rose pink flushed salmon Pkt., 10c; oz., 30c  
MRS. KERR—Clear light orange salmon Pkt., 10c; oz., 30c  
ZVOLANEE'S ROSE—Bright rose Pkt., 10c; oz., 30c  
VULCAN—Vivid non-burning scarlet Pkt., 10c; oz., 30c  
WHITE HARMONY—Pure white Pkt., 10c; oz., 30c  
BLUE BOY—Clear blue Pkt., 10c; oz., 30c  
CHEVALIER—Rose Pkt., 10c; oz., 30c  
GLITTERS—Cerise Pkt., 10c; oz., 30c  
GRENADIER—Dazzling scarlet Pkt., 10c; oz., 30c  
TORCH—Salmon orange Pkt., 10c; oz., 30c  
SUPERIOR PINK—Rose pink Pkt., 10c; oz., 30c  
AMETHYST—Deep purple Pkt., 10c; oz., 30c  
FANDANGO—Duplex, bright rose Pkt., 10c; oz., 30c  
HEATHER BELL—Mauve lavender Pkt., 10c; oz., 30c  
MEMORY—Large, vigorous lavender Pkt., 15c; oz., 60c  
SILVER BLUE—Delicate shade of lavender blue Pkt., 10c; oz., 30c  
SUCCESS—Vigorous, deep rose pink Pkt., 15c; oz., 60c  
MIXED COLORS Pkt., 10c; oz., 25c

THUNBERGIA (Black Eyed Susan)

This ornamental creeper will climb as well as twine if offered support. It is decorated by an abundance of fine triangular leaves and produces quantities of tubular flowers with broad expanded overlapping lobes about 1 inch across. The blossoms vary from white through buff to deep orange and are set off by a solid black center. A fine ground cover in sunny spots or overhanging a bare bank. It should be grown as an annual. Mixed, Pkt., 10c.

TITHONIA (Mexican Sunflower)

In a mild climate, where the season is long, this brilliant Mexican plant makes a fine show. Many tall branching stalks rise from the base carrying large leaves and numerous blooms like small sunflowers. They are of a dazzling orange-vermilion color. It is handsome among shrubs in the sun and supplies good flowers for cutting. Speciosa, Pkt., 10c.

TRITOMA

Sometimes called Red Hot Poker. Flowers range in color from deep yellow to coral, orange and scarlet with some very striking combinations. Easily grown from seed by planting in flats and keeping thoroughly moist until germinated. Transplant when three or four leaves are formed. Hybrida Mirabiles, Pkt., 10c.

VALERIANA (Garden Heliotrope)

During the summer months when many plants are likely to suffer from lack of moisture, Valeriana remains in flower—it is so vigorous and hardy. Its silvery green foliage spreads considerably, and its numerous stalks carry feathery clusters of tiny sweet-scented florets. Since it needs little care, it is useful in spots like a rocky bank that receive scant attention and yet should have decoration. Mixed, Pkt., 10c.

VENIDIUM

FASTUOSUM—This is an annual of such easy culture that anyone can grow and enjoy it. Its brilliant orange flowers, 4 inches across, with shining black center, displayed to perfection above the soft gray, woolly foliage, make this an unusually showy plant. Ht., 2½ ft. Pkt., 10c

VERBENA



GIANT VERBENA

(TP) Do you remember a sunny bare place that was an eyecore in the flower border last summer? Or some other spot that would have been improved by low-growing plants with a dash of color? You will make no mistake by choosing Verbenas for such a need in your next year's garden. These ever-popular dwarf creeping plants produce a garnish of somber, dark green foliage enlivened by many fine clusters of star-shaped blossoms with rounded lobed petals. The colors are decidedly refreshing in their brilliancy.

Though half hardy, it should be used as an annual and will flower from midsummer to frost from seeds started early in the spring.

HYBRIDA GIANTS

A new strain of Verbenas with the same characteristics as the mammoth except that each flowerlet in the cluster is much larger. This gives the blooming plant a more brilliant effect.

LAVENDER GLORY—True lavender with creamy eye Pkt., 10c  
ETNA—Garnet red, deep cream eye Pkt., 10c  
GIANT SALMON PINK—Huge tresses Pkt., 10c  
LUMINOSA—Glowing flame pink Pkt., 10c  
LUCIFER SCARLET—No eye Pkt., 10c  
VIOLEACEA STELLATA—Deep purple with white eyes Pkt., 10c  
HYBRIDA GIANT MIXED ¼ oz., 75c; Pkt., 10c  
WHITE—Pure white Pkt., 10c  
ROYALE—Royal blue, creamy yellow eye Pkt., 10c

HYBRIDA DWARF COMPACT

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

DARK BLUE Pkt., 10c  
FIREBALL—Brilliant crimson Pkt., 10c  
RUBY—Ruby red Pkt., 10c  
MIXED COLORS Pkt., 10c

VINCA (Madagascar Periwinkle)

Ornamental, free-blooming plants. They begin blooming in August from seed sown out-of-doors in May. Good cut flowers, the buds all opening in water, valuable as a winter pot plant for the house. Mixed, Pkt., 10c

VIOLA (Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the Tufted Pansies. While the individual flowers are smaller than the regular Pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the Pansies, they are gross feeders and thrive best in light, but rich soil.

BLUE PERFECTION—Bright blue Pkt., 10c  
LUNA—Wine-red Pkt., 10c  
LUTEA SPLENDENS—Orange Pkt., 10c  
ROSEA—Rose Pkt., 10c  
BEDDING MIXED COLORS Pkt., 10c

ZINNIAS MAKE A WONDERFUL

VIOLET (Viola Odorata)

For this well-beloved and fragrant favorite no introduction nor description is necessary—the sweet Violet is known to all. It is a true perennial, and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating, therefore, do not disturb seed box or beds until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

ALBA—White Pkt., 10c  
THE CZAR—Large flowers, blue Pkt., 10c  
THE CZARINA—Rose Pkt., 10c

VISCARIA

Colorful and free-flowering annuals for borders, beds, etc., growing about one foot high. Sow in fall or spring in the open or in boxes and transplant.

FINEST MIXED—Containing many shades of rose, red, and white. Pkt., 10c.

VIRGINIAN STOCK

This was a favorite in gardens in the old days, and modern flower lovers should make use of it more often than they do. It can be sown quite early, and as summer comes on it will provide a pretty, fresh effect as an edging or in a low border. The dwarf plants are light green and produce quantities of four-petaled single flowers with a faint perfume. These come in shades of red and white. The plants bloom for many weeks.

MIXED Oz., 50c; Pkt., 10c  
CRIMSON GEM Pkt., 10c  
ROSE Pkt., 10c

WALLFLOWER

The velvety petals of this old-time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either potted indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial. 1 to 1½ feet in height.

CHOICEST SINGLE MIXED Pkt., 10c; ¼ oz., 25c  
DOUBLE FLOWERING EXTRA SELECT. A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors Pkt., 10c

WISTERIA

An extremely graceful climber. For trellis and arbor work no other vine can surpass it. Grows readily from seed but plants do not make rapid growth or bloom until well established. Blue Pkt., 10c

ZINNIAS

There is perhaps no better illustration of the advancement in plant breeding than the glorious Zinnias grown today. From the small flowers of a few years back have been evolved the marvels of size, color, form and wonderful freedom in flowering which is seen in the latest creations. The Zinnia is one of the most satisfactory flowers to grow through the summer. It is extremely colorful, stands considerable heat and has few pests. As a cut flower it is unexcelled.

Zinnias are best grown from seeds sown where the plants are to remain. The seeds are easily sprouted if sown in warm soil. In preparing the soil, irrigate, pulverize and level, sow the seeds in a shallow furrow and firm the soil to them. If the seeds are sown in freshly turned soil, there should be sufficient moisture to sprout them without sprinkling. If sprinkling becomes necessary to sprout the seeds, keep the soil thoroughly moist to prevent surface crusting until the plants are up. Knox's Zinnias are the very finest and latest improved selections. Hundreds of customers write to us each year, telling us of the wonderful flowers they have produced from Zinnias.

DAHLIA FLOWERED

The large size, fullness of petals, fine color range and good keeping qualities have all contributed to the popularity of this strain. The flowers resemble in appearance the Decorative Dahlia and for this reason it is called the Dahlia Flowered Zinnia. When in full bloom they often measure 5 to 6 inches in diameter.

CANARY BIRD—Delicate primrose Pkt., 10c  
DREAM—Deep lavender purple Pkt., 10c  
EXQUISITE—Bright rose with deeper center Pkt., 10c  
GOLDEN STATE—Rich orange Pkt., 10c  
METEOR—Glowing deep red Pkt., 10c  
ORIOLE—Orange and gold Pkt., 10c  
POLAR BEAR—Pure white Pkt., 10c  
SCARLET FLAME—Beautiful bright scarlet Pkt., 10c  
OLD GOLD—Deep and lighter shades of old gold Pkt., 10c  
EL DORADO—Rose on salmon Pkt., 10c  
SPECIAL MIXTURE Pkt., 10c; ¼ oz., 60c

CALIFORNIA GIANTS

Since its introduction a few years ago this type of Zinnia has rapidly gained in popularity. The enormous flowers, often measuring 5 to 6 inches across, are flat and have smaller centers than the Dahlia Flowered strain. The petals are symmetrically formed presenting an extremely graceful appearance. The plants attain a height of 3 to 4 feet. This is a strictly California introduction.

CERISE QUEEN—A very bright and striking color of cerise rose Pkt., 10c  
ENCHANTRESS—Light rose with deep rose center. One of the most popular of all Zinnias Pkt., 10c  
LAVENDER GEM—Deep lavender purple—a fascinating shade Pkt., 10c  
ORANGE KING—Cadmium or rich orange overlaid with scarlet Pkt., 10c  
PURITY—One of the best white Zinnias Pkt., 10c  
ROSE QUEEN—Lovely shade of bright deep rose Pkt., 10c  
SCARLET GEM—Fine deep glowing scarlet Pkt., 10c



DAHLIA FLOWERED

VIOLET QUEEN—Exquisite deep purple. The flowers are immense and true to type Pkt., 10c  
DAFFODIL—Canary yellow Pkt., 10c  
MISS WILLMOTT—Soft pink Pkt., 10c  
GRENADIER—Bright, dark red Pkt., 10c  
FINEST MIXED COLORS Pkt., 10c; ¼ oz., 60c

SCABIOUS FLOWERED ZINNIA

The flowers, somewhat less than medium-sized, bear a remarkable resemblance to the annual Scabiosa, from which they get their name. The plants are extremely free flowering, 2 to 2½ feet high, giving a wealth of bloom throughout the summer. Pkt., 15c.

FANTASY ZINNIA

As different from the ordinary stiff, formal Zinnias as one could imagine. The delicate, lacy petaled flowers lend an air of friendly informality to the garden or flower arrangement. Ideally suited to any decorative use, the rounded, medium-sized, shaggy flowers are borne profusely on 2½- to 3-foot plants, in a wide and varied color range. Pkt., 15c.

SAVE THIS TABLOID

SHOWING—EVERY FLOWER GARDEN SHOULD INCLUDE A FEW OF ALL VARIETIES.



DOUBLE GIANT ZINNIAS

(2½ ft.) Here is the class to which the Zinnias are indebted for the favor they enjoy today. In habit the plants are tall, branching, and vigorous. The flowers are usually brighter than the Dahlia-Flowered type and are nearly as large. Normally they are quite similar in shape, but the center is somewhat more elevated, and the rows of slightly convex petals are more regular, giving the bloom the appearance of being well shingled. This group will give great satisfaction.

Canary Yellow, Crimson, Orange, Pink, Purple, White, Mixed Pkt., 10c; ¼ oz., 40c

SMALL FLOWERED ZINNIAS  
LILLIPUT OR POMPON

If you have room for two rows of Zinnias, sow the seeds of the Dahlia Flowered or California Mammoth in the background, and Lilliput Pompon in the front row. This makes a charming combination and will give a greater variety of flowers for cutting purposes. Pompon Zinnias are easily grown and the flowers compare favorably with the Pompon Dahlia. If you plant more than one color, Salmon Rose should predominate. This variety is very popular among commercial growers for cut flowers. Grows 2 feet high.

CANARY YELLOW Pkt., 10c  
DEEP FLESH Pkt., 10c  
GOLDEN GEM—Golden orange Pkt., 10c  
PURPLE GEM Pkt., 10c  
ROSEBUD—Rose pink Pkt., 10c  
SCARLET GEM Pkt., 10c  
VALENCIA—Burnt orange Pkt., 10c  
WHITE GEM Pkt., 10c  
MIXED COLORS Pkt., 10c

CURLED AND CRESTED ZINNIAS

The petals of this beautiful strain are twisted, curled, and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia Pkt., 10c; ¼ oz., 50c

PICOTEE ZINNIAS

A very pretty mixture producing large, double, fringed flowers in a wide range of desirable colors. In the lighter shades each petal is distinctively tipped with maroon, but the darker ones are tipped with a lighter color. MIXED COLORS Pkt., 10c; ¼ oz., 50c

CROWN O'GOLD ZINNIAS

Mixed Colors (New). An aristocrat in the Zinnia family. Each petal of the flower is overlaid with a deep golden yellow at the base and carrying out the individual flower color at the tip. The double flowers are large and in delightful shades of rose, cream, yellow, carmine red and pink. Pkt., 10c.

HAAGEANA MEXICAN HYBRID ZINNIAS

The small-flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls. The mixture contains many attractive colors and color combinations. Mixed colors. Pkt., 10c.

GLADIOLUS

LOS ANGELES—Beautiful shrimp pink with glowing orange carmine blotch in throat, tall and graceful stems.

MRS. FRANK PENDLETON—Lovely rose-pink with a brilliant dark red blotch on lower petals.

PRINCE OF WALES—Clear light salmon.

VIRGINIA—A bright, fiery red.

BETTY NUTHALL—Beautiful, warm, light coral, with pale orange throat.

DR. F. E. BENNETT—Fine, large spike. Flame scarlet with dark red throat.

MINUET—A reliable performer and very beautiful lavender.

ROSE ASH—General color effect, "Ashes of Roses." A favorite "smoky" sort.

MRS. LEON DOUGLAS—Begonia rose, striped, marked with flame and scarlet.

VEILCHENBLAU—Good blue, deep violet purple in color.

COMMANDER KOEHL—Gigantic flowers of dark safflet, well formed. No blotches.

EARLY SUNRISE—Flowers of this variety are extra large, bright salmon scarlet in color.

FAY LAMPHIER—Large well-expanded flowers of geranium-pink, overlaid with scarlet.

PICARDY—Flowers of delicate apricot-pink.

GOLDEN MEASURE—Large, well-expanded flowers of golden yellow.

MAMMOTH WHITE—Pure, glistening white.

PRIMROSE PRINCESS—Finest yellow, amber shading.

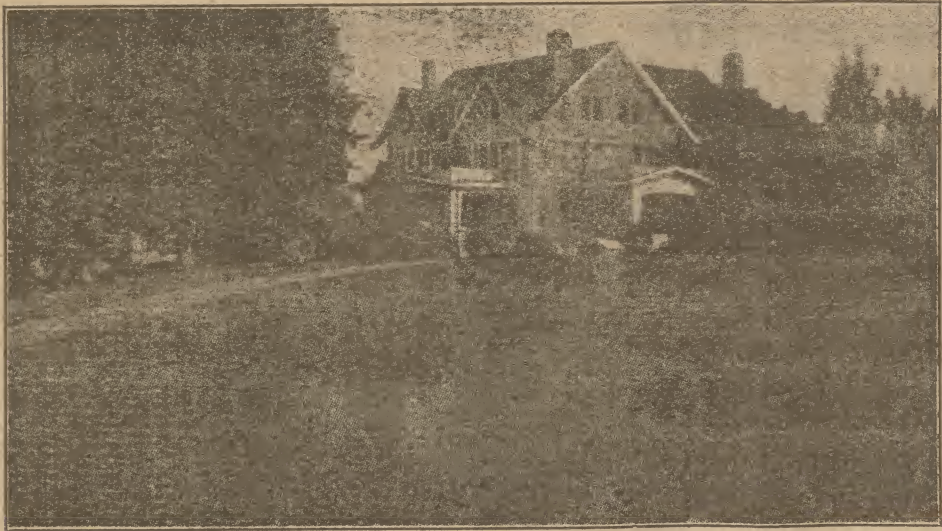
GOLD EAGLE—Early yellow.

E. J. SHAYLOR—Deep rose-pink with ruffled edges. Prices of the above, 5c each, 50c dozen, \$2.00 for 50 bulbs, \$3.50 per 100.

MIXED COLORS—Good assortment of colors. 4c each, 35c dozen, \$1.50 for 50 bulbs, \$2.60 per 100.







# Preparation and Care of Lawns

The proper preparation of the ground in starting a new lawn is essential. This is too often neglected. The ground should be deeply ploughed, or spaded deep enough to leave a bed of loose earth 4 to 6 inches deep. This should be thoroughly pulverized and raked, removing all sticks, roots and stones. After getting the ground perfectly smooth, put on an application of Vigoro at the rate of 4 pounds to 100 square feet. **DO NOT USE STABLE MANURE**; it is unsightly, and is also a hotbed of weed seeds and worms, the very thing to be guarded against in laying a foundation for a pretty lawn. We recommend a thick seeding, sowing the seed at the rate of 1 pound to the 200 square feet (100 to 120 pounds to the acre). The land should then be gone over with a heavy roller, or the seed raked in thoroughly with a small hand rake. The best months for seeding a lawn

in this section are February, March, April, September and October. Let the grass get a start of 4 inches before cutting, as too early cutting retards growth; after this cut every 10 days. During dry weather it should be watered frequently in the evenings to get the best results.

The best method to renew an old lawn in which the grass is thin and bare in spots is to go over the lawn loosening the soil thoroughly with a sharp hand rake. Then sow the seed, after which it is best to roll the ground, covering the seed in this way. It is best also to do this after the grass has been cut and just after a good rain. If this is done in the spring and fall your lawn will be kept thick and flourishing.

A top dressing of Vigoro in the early spring and fall is also very beneficial to old lawns already established.

# Knox's Lawn Grass Seeds

(Postpaid in Lots Up to 10 Lbs.)

**KNOX'S LAWN GRASS MIXTURE**

A modern lawn grass seed mixture, composed of the finest grasses and is adapted to a wide variety of soils. It will make a permanent sod of deep rooted grasses. 1 lb., 35c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$7.25; 100 lbs., \$28.00.

**SHADY LAWN MIXTURE**

Composed of grasses most suited for growing in heavily shaded locations. A splendid mixture. It is also satisfactory in light shade. 1 lb., 65c; 5 lbs., \$3.25; 10 lbs., \$6.00; 25 lbs., \$14.00.

**PACIFIC MIXTURE**

Used exclusively on the College of the Pacific campus. A very hardy, strong-growing mixture. Will stand extremely hard use such as playground or back yard. Considerably coarser than Knox's Lawn Mixture. 1 lb., 30c; 5 lbs., \$1.40; 10 lbs., \$2.70; 25 lbs., \$6.50; 100 lbs., \$25.00.

**KENTUCKY BLUE GRASS**

Most widely used of all lawn grass seeds. Used in all mixtures. Knox's Quality is the finest quality obtainable, being as near weed-free as it is possible to make it.

**KNOX'S QUALITY**—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.35.

**FANCY** (21 lbs.)—1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.50; 25 lbs., \$8.13.

**WHITE DUTCH or LAWN CLOVER** (Trifolium Repens.) This is valuable for pasture as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown with other crops. 1 lb., 50c; 10 lbs., \$4.50.

**SEASIDE BENT** (Agrostis Maritima.) Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully re-cleaned in our own specially constructed seed cleaning plant, and is extremely pure and free from weed seeds. 1 lb., \$1.50; 10 lbs., \$14.50, postpaid.

**ASTORIA BENT**

This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful, thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper. Our Astoria Bent is unusually clean and free from weed seeds. 1 lb., \$1.50; 10 lbs., \$14.50.

**POA TRIVIALIS**

An ideal shade grass. Finer and softer than Kentucky Blue Grass. 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50; 25 lbs., \$12.50; 100 lbs., \$45.00.

**PACEY'S RYE GRASS**

Produces quick results. Somewhat coarser than blue grass, but very hardy. Sow thick to keep it from bunching or stooling. 1 lb., 30c; 10 lbs., \$2.50; 25 lbs., \$5.65; 100 lbs., \$21.00.

**BERMUDA GRASS**

Makes a very heavy sod. Hard to control, as it creeps all over the garden. Frost turns it brown in winter, but does not kill it. 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.50; 25 lbs., \$10.75; 100 lbs., \$40.00.

# NU-GREEN

# Saves Lawns

Prevents and controls brown patch and similar fungous diseases in lawns, golf greens, etc. Possesses the valuable property of restoring the grass to a healthy, luxuriant growth and natural color. Also valuable for controlling certain soil-borne diseases of flowers, vegetables, shrubs and potted plants, and acts as a fertilizer.

3-oz. tin .....	50c
1-lb. tin .....	\$1.75

**RED TOP**

Used mostly in mixtures. Prefers a moist, rich soil. 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.35.

**CHEWING FESCUE**

Produces a mat-like turf of a brownish green color. The leaves are fine, needle-like and bristly. Resists hard wear. 1 lb., 75c; 5 lbs., \$3.65; 10 lbs., \$7.00; 25 lbs., \$17; 100 lbs., \$65.

## MONTHLY PLANTING GUIDE

**JANUARY**

**VEGETABLES**—Seeds of Asparagus, Beets, Brussels Sprouts, Cabbage, Carrots, Chicory, Corn Salad, Cress, Eggplant, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Peas, Peppers, Potatoes, Radish, Rhubarb, Salsify, Spinach (Winter), Tomatoes, Turnips.

**FLOWERS**—Sow seeds of hardy annuals in the open ground: Acroclinium, Alyssum, Antirrhinum, Calendula, Calliopsis, Candytuft, Centaurea, Annual Chrysanthemums, Clarkia, Larkspur, Lupin, Mignonette, Nigella, Poppies, California Poppy, Wild Flower Seed and Sweet Peas.

**FEBRUARY**

**VEGETABLES**—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Celery, Chives, Chicory, Corn, Corn Salad, Cucumbers, Eggplant, Horse Radish, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsnip, Peas, Peppers, Potatoes, Sweet Potatoes, Squash, Radish, Rhubarb, Salsify, Spinach (Summer), Tomatoes, Turnips.

**FLOWERS**—Sow seeds in open ground: Acroclinium, Antirrhinum, Calendula, Calliopsis, Centaurea, Early Flowering Cosmos, California Poppy, Larkspur, Linum, Lupins, Mignonette, Nemophila, Nigella, Poppies, Scabiosa and Sweet Peas.

Sow seeds in boxes—Balsam, Begonia, Coreopsis, Gaillardia, Hollyhock, Hunnemannia, Lobelia, Mimulus, Pentstemon, Petunia, Perennial Poppies, Salvia, Stocks and Viola Cornuta.

**MARCH**

**VEGETABLES**—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Chicory, Corn (Sweet and Field), Cucumbers, Eggplant, Kale, Lettuce, Melons (Musk and Water), Okra, Onions, Parsley, Parsnips, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach (Summer), Squashes, Tomatoes.

**FLOWERS**—Sow seeds in open ground. Acroclinium, Ageratum, Alyssum, Antirrhinum, Arctotis, Amaranthus, Balsam, Brachycome, Bartonia, Calendula, Calliopsis, Candytuft, Centaurea, Clarkia, Annual Chrysanthemum, Early Flowering Cosmos, Daisies, Four o'Clocks, Godetia, Gomphrena, Gypsophila, Helichrysum, Larkspur, Linum, Lupin, Marigold, Mignonette, Nasturtium, Nemesis, Nemophila, Nigella, Phlox, Poppy, Scabiosa, Sunflower and Sweet Peas.

Sow in seed boxes or with some protection for transplanting later: Asters, Begonia, Bellis, Daisy, Celosia, Columbine, Canterbury Bells, Coreopsis, Cyclamen, Dahlia, Gaillardia, Gerbera, Heliotrope, Hunnemannia, Lobelia, Matricaria, Myosotis, Pentstemon, Petunia, Poppies, Salvia, Shasta Daisy, Statice, Sweet William, Verbena, Viola, Wallflower, Zinnia. Sow seeds of Vines.

**APRIL**

**VEGETABLES**—Seeds of Artichoke, Asparagus, Beets, Beans, Carrots, Cabbage, Celery, Corn (Sweet and Field), Cress, Eggplant, Kale, Lettuce, Melons (Musk, Water and Casabas), Okra, Onions, Parsley, Peas, Peppers, Parsnip, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach (Summer), Squash, Tomatoes.

**FLOWERS**—Seeds of Abronia, Acroclinium, Ageratum, Antirrhinum, Amaranthus, Asters, Balsam, Aquilegia, Begonia, Bellis, Brachycome, Calendula, Calliopsis, Candytuft, Canterbury Bells, Carnation, Annual Chrysanthemum, Celosia, Centaurea, Clarkia, Coreopsis, Cosmos, Cyclamen, Dahlia, Daisies, Delphinium, Digitalis, Dianthus, Gaillardia, Godetia, Gerbera, Gypsophila, Gomphrena, Heliotrope, Helichrysum, Hunnemannia, Hollyhock, Larkspur, Lobelia, Linum, Lupin, Marigold, Myosotis, Mirabilis, Mimulus, Mignonette, Nasturtium, Nemesis, Nicotiana, Nigella, Pentstemon, Petunia, Phlox, Poppies, Portulaca, Salvia, Salpiglossis, Scabiosa, Schizanthus, Stevia, Stocks, Statice, Sweet William, Verbena, Viola, Sunflower, Wallflower, Zinnia.

**MAY**

**VEGETABLES**—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn (Sweet and Field), Cucumber, Eggplant, Lettuce, Melons (Musk, Water and Casabas), Okra, Onions, Parsley, Parsnip, Peas, Peppers; Transplant Potatoes, Sweet Potatoes (Plants), Pumpkin, Radish, Rhubarb, Salsify, Spinach (Summer), Squash, Tomato.

**FLOWERS**—Seeds of Abronia, Acroclinium, Ageratum, Amaranthus, Asters, Balsam, Carnation, Calendula, Celosia, Centaurea, Calliopsis, Cosmos, Daisies, Annual Chrysanthemum, Candytuft, Dianthus, Gaillardia, Lobelia, Larkspur, Marigold, Matricaria, Hunnemannia, Gomphrena, Gypsophila, Helichrysum, Nasturtium, Nemesis, Nicotiana, Nigella, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

**DECEMBER**

**VEGETABLES**—Artichoke Plants, Asparagus Roots, Seeds of Beets, Brussels Sprouts, Cabbage, Chicory, Cress, Endive, Garlic, Horseradish, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb Roots, Salsify, Spinach (Winter), Turnips, Onion Sets.

**FLOWERS**—Sow seeds of hardy annuals, Acroclinium, Alyssum, Antirrhinum, Bartonia, Calendula, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, Larkspur, Lupin, Mignonette, Nigella, Nemesis, Pansy, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

# Feed Your Lawns Gardens Flowers Shrubbery Trees VIGORO

**Specially Prepared Plant Food**

This complete, clean and odorless plant food is used by millions of home gardeners. It grows humus in the soil, acts quickly and is very economical. Feed plants VIGORO and watch them grow.



PRICES	
1-lb. Package .....	10c
5-lb. Package .....	45c
10-lb. Package .....	85c
25-lb. Bag .....	\$1.50
50-lb. Sack .....	\$2.50
100-lb. Sack .....	\$4.00

**VIGORO SPREADERS**

Model "B" .....	\$3.25
"Jr." 16-in. ....	\$6.75
"Special," 36-in. ....	\$21.50



PRICES F. O. B. STOCKTON OR MODESTO

tiana, Nigella, Phlox, Portulaca, Salvia, Salpiglossis, Scabiosa, Schizanthus, Stevia, Sunflower, Statice, Zinnia.

**JUNE AND JULY**

**VEGETABLES**—Seeds of Artichoke, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn (Sweet and Field), Cucumber, Eggplant, Lettuce, Melons (Musk, Water and Casabas), Okra, Parsley, Parsnip, Peas, Pepper (Plants), Potatoes, Sweet Potatoes (Plants), Pumpkin, Radish, Spinach (Summer), Tomato.

**FLOWERS**—Seeds of Calendula, Candytuft, Cosmos, Centaurea, Cineraria, Daisies, Marigold, Nasturtium, Portulaca, Poppies, Salpiglossis, Zinnia.

**AUGUST**

**VEGETABLES**—Artichoke, Beets, Beans early varieties; Brussels Sprouts, Cabbage, Cauliflower, Carrots, Chicory, Corn, Cress, Cucumber, Eggplant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Salsify, Spinach (Summer), Turnips.

**FLOWERS**—Calendula, Cineraria, Centaurea, Cosmos, Pansies, Primula, Stocks, Sweet Peas. Begin sowing seeds of hardy perennials for next year's flowering, such as Aquilegia, Bellis, Daisy, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum, Snapdragon, Verbena, Viola and Wallflower.

**SEPTEMBER**

**VEGETABLES**—Seeds of Artichoke, Beets, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Chicory, Cress, Cucumber, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnip, Peas, Potatoes, Radish, Salsify, Spinach (Winter), Turnips.

**FLOWERS**—Seeds of Calendula, Centaurea, Cineraria, African Daisy, Nemesis, Cosmos, Pansy, Primula, Stocks and Winter Sweet Peas. Continue sowing hardy perennials for next year's flowering, such as Aquilegia, Bellis, Daisy, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies, Phlox, Pyrethrum, Snapdragon, Verbena, Viola and Wallflower.

**OCTOBER**

**VEGETABLES**—Seeds of Beets, Brussels Sprouts, Cabbage, Carrots, Chicory, Cress, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnip, Peas, Radish, Salsify, Spinach, Turnips.

**FLOWERS**—Continue sowing seeds for winter blooming of Calendula, Centaurea, Cineraria, Cosmos, African Daisy, Dianthus, Nemesis, Phlox, Pansy, Primula, Scabiosa, Stocks and Winter Sweet Peas.

Begin sowing annuals in open ground for early spring blooming. Acroclinium, Alyssum, Antirrhinum, Bartonia, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Larkspur, Lupin, Mignonette, Nigella, Poppies, California Wild Flowers. Continue sowing perennials for next year's flowering—Aquilegia, Bellis, Canterbury Bells, Coreopsis, Cyclamen, Delphinium, Digitalis, Forget-me-not, Gaillardia, Hollyhocks, Pentstemon, Perennial Poppies and Phlox, Pyrethrum, Snapdragon, Verbena, Viola and Wallflower.

**NOVEMBER**

**VEGETABLES**—Seeds of Beets, Brussels Sprouts, Cabbage, Carrots, Chicory, Cress, Garlic, Kale, Kohl Rabi, Lettuce, Leek, Mustard, Onions, Parsley, Peas, Radish, Salsify, Spinach (Winter), Turnips.

**FLOWERS**—Seeds of hardy annuals, Acroclinium, Alyssum, Antirrhinum, Bartonia, Calendula, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, Larkspur, Lupin, Mignonette, Nigella, Nemesis, Pansy, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

**DECEMBER**

**VEGETABLES**—Artichoke Plants, Asparagus Roots, Seeds of Beets, Brussels Sprouts, Cabbage, Chicory, Cress, Endive, Garlic, Horseradish, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb Roots, Salsify, Spinach (Winter), Turnips, Onion Sets.

**FLOWERS**—Sow seeds of hardy annuals, Acroclinium, Alyssum, Antirrhinum, Bartonia, Calendula, Candytuft, Calliopsis, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, Larkspur, Lupin, Mignonette, Nigella, Nemesis, Pansy, Phlox, Stocks, Winter Sweet Peas and California Wild Flowers.

SAVE THIS SECTION

TOO MUCH CARE CANNOT BE TAKEN IN THE SELECTION OF YOUR LAWN SEED



# KNOX'S NEW VARIETIES VEGETABLE SEEDS

## TOMATOES

### SAN MARZANO (Italian Pear)

Widely used by canners for making paste. Thousands of acres of this variety were grown in San Joaquin Valley last season. It is a tremendous yielder. The fruits are oblong or pear shaped, from three to four inches in length; bright scarlet. Recommended for canning for paste and pickles. Pkt., 5c; oz., \$1.00; ½ lb., \$6.50; lb., \$12.50.

### PRITCHARD (Scarlet Topper)

Seventy-five days. Very promising, heavily productive, wilt-resistant, introduction of superior merit for home and market garden, shipping, and canning. Fruits large, globe-shaped, scarlet, and well colored about the stem end; flesh firm and of fine quality. Pkt., 10c; oz., 75c; ½ lb., \$3.00; ½ lb., \$5.50; lb., \$10.00.

**SANTA CLARA CANNER**—A large, thick, flat, reasonably smooth canning type Tomato. Fruits are deep scarlet, and vine growth heavy with good wilt resistance. This variety is adapted for canning only and is not suitable for shipment to market. Pkt., 10c; oz., \$1.00; ½ lb., \$3.50; lb., \$12.50.

No. 133-6-A smooth, nearly globular tomato, larger than any other perfectly smooth tomato. It has thick skin and good texture, and was primarily developed for green shipment to Eastern markets. It has also been used to some extent by canners as a juice tomato, but the yield is not usually as heavy as Santa Clara Canner. Fruits are deep scarlet and good size. Pkt., 10c; oz., \$1.00; ½ lb., \$3.50; lb., \$12.00.

**SPECIAL EARLY No. 498**—Is a first early, scarlet-fruited variety. The fruits are good size, smooth and deep

from stem to blossom. It is undoubtedly one of the best early shipping varieties and is used very extensively in the Merced and Fresno sections. Pkt., 5c; oz., 75c; ½ lb., \$2.50; lb., \$9.00.

## CELERY

### GOLDEN DETROIT

The standard of excellence in the self-blanching class. Medium late and particularly valuable for shipping. A very uniform (pure line) selection of Dwarf Golden Self Blanching. Plant heavy, compact, full hearted; commonly 22 inches tall; edible stalks 6½ to 8 inches long. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.50; ½ lb., \$6.50; lb., \$12.00.

## SWEET CORN

### GOLDEN COUNTRY GENTLEMAN

Ninety-two days from planting to eating. Height of stalk, 7 to 8 feet. The result of 10 years' breeding in crossing White Country Gentleman and Golden Bantam. This new variety is identical in stalk and ear characteristics with regular Country Gentleman, except for its golden color. The fine flavor and rich color of the Bantam parent has been retained. Stalks sturdy, often with two ears. Kernels very deep, narrow, tender, arranged irregularly without row formation. This variety is distinct from Golden Cream, as it has a much larger, more attractive ear with the typical Country Gentleman kernel pattern. Pkt., 5c and 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

### GOLDEN EARLY MARKET

Seventy-five days. Height, 5 feet. One of the best extra early yellow varieties for home and market garden. Ears have strong husks; 8 to 12 rowed. Kernels golden yellow, medium, tender, sweet, and of good flavor. Very prolific for so early a variety. Pkt., 5c and 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

### GOLDEN CROSS BANTAM

(Edible in 88 days.) This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40 per cent more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy stalks and deep green foliage. Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 10 lbs., \$4.50. Write for quantity prices.

### NEW YELLOW CORN

#### MARCCROSS 39

This is a splendid, new, hybrid top cross variety of early Yellow Sweet Corn. It is exceptionally early, maturing about five days earlier than Golden Bantam or about 75 days from time of planting. The ears are of a deep golden yellow, 6 to 7 inches long and with twelve to fourteen rows of good large kernels which are very sweet and of a fine flavor.

The plant produces a good, strong stalk and root system and is quite resistant to wilt. It is also more drought resistant than many other early varieties.

Marcross 39 is a very heavy yielder, with the ears placed well up on the stem making it easy to pick, and should prove very popular with both the market and home gardener. Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 10 lbs., \$4.50.

## VEGETABLE SEEDS

In making up this tabloid we have endeavored to limit the varieties to those that have proven themselves in this locality. In doing this we have omitted many novelties and unproven varieties. We know that experiments are costly and will assist any of our friends in making the proper selections for their territory.



Palmetto Asparagus

### ASPARAGUS

One of the most delicious of all vegetables, and the earliest to be taken from the garden. Every garden, large or small, should have a bed of asparagus. A bed properly planted and cared for should last 8 or 10 years and 50 roots should supply the average family.

Plant seeds, preferably in a sandy loam, well mixed with stable manure. Rows should be from 3 to 6 feet apart and slightly below the surrounding ground. Cover seeds 1 to 2 inches. Sow thinly. One packet of seeds will sow about 20 feet of row and yield over 100 plants. If roots are planted, make trenches 18 inches deep and 3 to 6 feet apart and work in plenty of well-rotted manure or leaf mould or both. Set plants 12 to 16 inches apart in the trench and crowns 12 inches below the surface. Each fall top dress with a heavy coat of manure and work it into the soil in the spring. Keep the earth soft and loose over the crowns of the plants. The young shoots may be cut freely up to the green pea season and then left to grow. In the fall cut all the stalks close to the ground before applying the manure. Our asparagus roots are all strong, vigorous stock which will give quick results.

**WASHINGTON ASPARAGUS SEED**—This asparagus which has been selected by the United States Department of Agriculture has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich, dark green, tinted darker at the tips. Packet, 10c; oz., 15c; ½ lb., 35c; lb., \$1.00; postpaid.

**PALMETTO**—This popular sort is one of the earliest and is an extremely uniform strain, producing finely flavored large stalks, nearly an inch in diameter but tender and delicious. Packet, 10c; oz., 15c; ½ lb., 35c; lb., \$1.00.

**ASPARAGUS ROOTS**—Ready in January. Two-year-old roots. 25c per doz.; \$1.50 per 100; special price for 1,000. Postage, 10c per doz.; 40c per 100.

### ARTICHOKES

The best way to get a good artichoke is to secure plants from old stalks of some good strain, as seeds cannot be depended upon to produce any certain variety. One-half dozen is enough for a family garden.

Transplant five feet apart in rows seven feet apart. When the young plants are attacked by aphid spray with "Black Leaf 40." About the time the buds are well advanced the under leaves become a harbor for flies and aphid and ants. When this occurs break off all the under leaves, clear the ground of all rubbish and spray with "Black Leaf 40" and use ant poison. See Insecticide page. You will then have a long season of large, clean buds.



Green Globe Artichoke

**IMPROVED LARGE GREEN GLOBE**—Produces large, globular heads, thick, succulent scales, the bottom of which is the edible part. Boiled till tender, it makes a delicious dish. Packet, 10c.

**ARTICHOKE ROOTS**—Artichoke roots when one year old will produce an abundance of large delicious artichokes soon after transplanting. They are ready in January and can be planted as late as May. Save a year by planting vigorous roots a year or more old. \$1.00 per doz.; 10c each. Postage 2c each.

### DWARF OR BUSH,

#### GREEN PODDED

##### VARIETIES

**BOUNTIFUL**—48 days. Very desirable home and market garden sort; particularly valuable for early shipping. Plant large, thrifty, prolific. Pods clear light green; 6½ to 7 in. long, over ½ in. wide, flat, ¾ in. thick; fleshy, very slightly fibrous, strictly stringless, brittle and tender. Seeds 65 per oz.; solid straw yellow. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**BLACK VALENTINE**—53 days. Splendidly adapted for shipping, but too tough and fibrous to be recommended generally for home gardens. In California this bean is usually called "French string" and is grown by the market gardeners for the earliest bean and used when the pod is about the size of a thick shoe-string. Plant medium large, thrifty, hardy, prolific. Pods dark green, very uniform, symmetrical and attractive; nearly ½ in. wide and almost round; tough, stringy and fibrous; retain handsome color and firm texture long after picking. Seeds 105 per oz.; solid black. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**BROAD WINDSOR LONG POD** (Also known as Fava Bean and as Horse Bean; not a kidney bean.)—Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 in. long, 1¼ in. broad, stout; 3 seeded; smooth. Green shell beans large, broad, flat, light green. Dry seeds very large; circular, flat; pale reddish-brown with black eye. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**DWARF HORTICULTURAL**—Snap pods 53 days; green shell beans 60 days. Particularly desirable green shell sort for home and market garden; desirable for snaps. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish-yellow splashed with carmine; 5 to 5½ in. long, ¾ in. wide and flat at snap stage, becoming almost round at green shell stage; strictly stringless, slightly fibrous. Seeds 55 per oz.; plump oval, pinkish-buff, spotted and streaked with purplish-red. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**FULL MEASURE**—52 days. Unsurpassed for home and market garden. Plant large, thrifty, heavily productive. Pods medium green, 6 to 6½ in. long; ¾ in. thick, round; very fleshy, brittle, stringless, fine grained. Seeds 65 per oz.; redish-brown, mottled with buff. Similar to Giant Stringless Green Pod in general appearance and usefulness. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**GIANT STRINGLESS GREEN POD**—53 days. One of the best for home and market garden; very desirable for canning. Plant large, hardy, heavily productive. Pods medium green, 6 to 6½ in. long, ¾ to 7-16 in. thick, round; very fleshy, brittle and stringless. Seeds 70 per oz.; glossy yellowish-brown. Variety similar to Full Measure. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**REFUGEE OR 1000 TO 1** (Sometimes called Late Refugee, Round Pod Refugee and Improved Refugee)—70 days. Very popular canning and pickling sort. Plant large, hardy, extremely productive. Pods medium green; very uniform, 5 to 5½ in. long, ¾ in. thick, round; stringy at later stages; very fleshy, brittle and fine grained. Seeds 95 per oz.; dark violet-purple splashed with buff. Similar to Stringless Refugee, but pods somewhat stringy. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**RED VALENTINE**—52 days. One of the most dependably productive for home and market garden, unexcelled in quality for snaps. Plant medium sized, erect, compact, hardy. Pods medium green; 4½ to 5 in. long, ¾ in. thick; wider than thick; very slightly stringy; extremely fleshy; brittle, fine grained, tender. Seeds 80 per oz.; purplish-red splashed with buff; of irregular shape. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

### DWARF WAX OR YELLOW PODDED VARIETIES

**PENCIL POD WAX**—52 days. Very desirable for home and market garden and for truckers. Plant large and thrifty; heavily productive over long period. Pods hand-

## SAVE THIS TABLOID

## BEANS, Dwarf or Bush

One pound will sow 100 feet of drill; 40 pounds are required for an acre. They will thrive in any good soil. Plant the seeds 2 inches deep and 3 inches apart, in rows 2 feet apart. Keep well cultivated, as no crop better repays extra labor in this direction. Write for special prices on larger quantities.

### WAX PODDED VARIETIES



Bountiful

some bright yellow; 5½ to 6 in. long, ¾ in. thick, cylindrical; very fleshy, strictly stringless, brittle, fine grained and tender; quality unexcelled. Seeds black. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**GOLDEN WAX**—48 days. A splendid home garden variety; one of the most popular, also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4½ to 5 in. long; ½ in. wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-carmine and purple. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**DAVIS WHITE WAX**—52 days. Well adapted for shipping. Plant large and thrifty. Pods uniform and attractive; light yellow; 6 in. long, ½ in. wide, thick, oval; fleshy and tender when young, but become somewhat fibrous and stringy. Seeds white and excellent for baking. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**ROUND POD KIDNEY WAX** (Also known as Brittle Wax)—52 days. Especially valuable for home garden and canning. Plant erect, medium large, prolific. Pods handsome, waxy light yellow, 5½ to 6 in. long; round, fully ¾ in. thick; very fleshy, brittle, strictly stringless, without fibre; of highest quality. Seeds white with brownish-black eye. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

#### LIMA BEAN—DWARF

**FORDHOOK BUSH LIMA**—(Potato Lima)—75 days. Plant large, erect, heavily productive. Pods 4 to 4½ in. long; stout, 1¼ in. wide, ½ in. thick; contain 3 to 4 seeds. Green shell beans large, very plump, of the highest quality. Dry beans large and very plump, white. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**HENDERSON'S BUSH** (Baby Lima)—65 days. Very popular for canning. Plant medium large, heavily productive. Pods small; 5 in. long, ¾ in. wide, ¾ in. thick, contain 3 to 4 seeds. Green shell beans small, flat, of splendid quality. Dry beans white. This is the bush form of Small White Lima (Carolina or Sieva). Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**BURPEE'S IMPROVED BUSH**—75 days. Plant large, heavily productive. Pods large, 4½ to 5 in. long, 1¼ in. wide, ¾ in. thick; usually contain 4 large, thick beans. Dry beans large, flat, greenish-white. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

### POLE OR RUNNING VARIETIES

**BURGER'S GREEN POD STRINGLESS** (Kentucky Wonder White Seeded)—63 days. Home garden or early market. Pods dark green, 6 to 7 in. long, slender; roundish; stringless, fleshy, brittle. Dry beans white; suitable for baking. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**IMPROVED LONDON HORTICULTURAL**—Snaps, 65 days; green shell beans, 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, becoming splashed with carmine at green shell stage; 7 in. long, ¾ in. wide, thick straight, stringless. Seeds large, pinkish-buff splashed with red. This is 4 to 6 days earlier than London Horticultural or Speckled Cranberry and pods are an inch longer. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**KENTUCKY WONDER** (Old Homestead)—65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 in. long, nearly round and ½ in. in diameter; slightly stringy, very fleshy, brittle, tender. Seeds dun-colored. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.



Kentucky Wonder

**KENTUCKY WONDER WAX**—67 days. Good climber, heavily productive. Pods waxy yellow; 8 in. long, ¾ in. wide, almost as thick as wide; practically stringless; fleshy, brittle, tender. Seeds chocolate brown. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**LAZY WIFE**—74 days. Excellent for snaps, green shell and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green; 6 to 6½ in. long, ¾ in. wide, thick, straight; fleshy, stringless, brittle, tender. Seeds plump, white. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**SCARLET RUNNER**—About in season with pole-limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 in. long; flat oval; fleshy; desirable for snaps and green shell beans. Seeds 25 per oz.; kidney-shaped, flat; dark purple spotted with reddish-buff. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**WHITE CREASEBACK**—62 days. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ in. long, ½ in. wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds 120 per oz.; white; excellent for baking. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

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(Continued from Page 10)

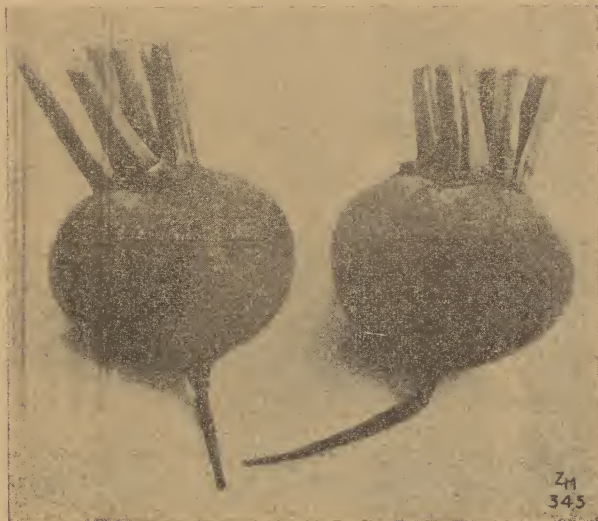
**POLE LIMAS**  
**SMALL WHITE LIMA** (Carolina or Sieva)—78 days. Splendid climber, heavy yielder. Pods 3½ in. long, ⅞ in. wide, ¼ in. thick, with 3 to 4 seeds. Green shell beans small, flat, of splendid quality. Seeds 60 per oz.; white. Aside from the climbing habit, later season, and slightly larger pods and seeds, this is similar to the bush form, Henderson's Bush Lima (Baby Lima). Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**KING OF GARDEN**—An improved strain of Large White Lima. Plant tall, good climber, vigorous, heavily productive. Pods flat, smooth, with 4 to 5 beans. Seeds large, flat, white, 25 per oz. Probably the most widely used of all Pole Limas. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**LEVIATHAN**—The earliest large-seeded Lima. Larger and more attractive than Early Jersey or Siebert's Early. Plant 5 to 8 feet, vigorously climbing, prolific. Pods very straight, containing 5 to 8 beans. Seeds large, flat, dull white; 25 per oz. Pkt., 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

BEET

Beets may be planted almost all the year around where the temperature does not linger below 25 degrees. Sow the seed one inch deep in well prepared, moist soil in rows 8 or 10 inches apart, or on ridges same as lettuce. Drill 8 pounds of seed per acre. Thin out to one plant every 3 inches, and transplant the discarded plants in any convenient spot about the garden. The Egyptian is a small, dark red, flat, smooth variety. It is sweetest and best for the table. Irrigate about every two weeks, unless the nature of the soil is such that more frequent irrigation is found to be necessary. Mulch the soil after each irrigation. Beets are ready for use in 10 weeks and continue in prime condition for another 10 weeks. Two ounces of seed for 100 feet of row.



Early Wonder

**TABLE VARIETIES**  
**CROSBY'S EGYPTIAN** (Original Strain)—50 to 55 days. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shape, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender. Pkt., 5c; ¼ lb., 25c; lb., 75c.  
**DETROIT DARK RED**—52 to 55 days. The standard of excellence in table beets for home and market garden, shipping and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkt., 5c; ¼ lb., 25c; lb., 75c.  
**EARLY WONDER**—50 to 55 days. Very desirable for home and market garden. Tops small. Root flattened globe-shape with small collar and tap root; dark purplish-red. Flesh deep purplish-red zoned a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 75c.  
**EARLY ECLIPSE**—55 days. For home and market garden. Tops small, erect, slender. Roots globe-shaped; dark purplish-red. Flesh bright purplish-red zoned with a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 75c.  
**EARLY BLOOD TURNIP, IMPROVED**—60 days. For home and market garden. Tops medium small, but fairly coarse. Roots deep turnip-shaped; dark purplish-red. Flesh deep purplish-red zoned with a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 75c.  
**CRIMSON GLOBE**—A main crop variety of medium season maturity, with large globe-shaped roots; flesh purplish-red with moderately prominent light zones; foliage medium green tinged with bronze. Packet, 5c; ¼ lb., 25c; lb., 75c.

MANGEL OR STOCK BEETS

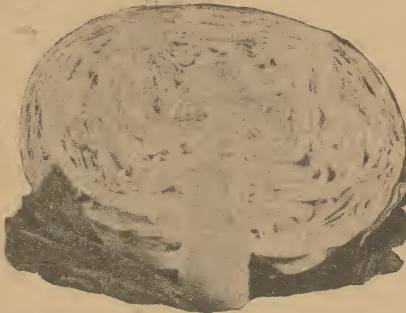
**DANISH RED GIANT ECKENDORF**—Enormously productive. Roots very large, thick, cylindrical, compressed at mid-section; blunt; red above, rose below ground; grow largely above ground; easily harvested. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.  
**DANISH SLUDSTRUP**—Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.  
**GIANT HALF SUGAR, GREEN TOP**—Roots long ovoid, grayish-white with light bronze-green shoulder; flesh white. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.  
**GIANT HALF SUGAR, ROSE TOP**—Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

KNOX'S IMPROVED CABBAGE

No special care or soil is required to grow cabbage, as it will grow in any soil with proper cultivation, but good seed is extremely important with this crop. Like cauliflower and lettuce, it is not a good summer crop, as it will not head up in extremely hot weather. For fall and winter crop sow the seed in May and June, for spring and early summer sow in September and October. Transplant when the plants are about six weeks old 18 inches apart in rows 30 inches apart. To keep heads from splitting when ripe, loosen the plants a little at the roots.

FIRST EARLY VARIETIES

**CHARLES-TON OR LARGE WAKEFIELD**—71 days. Desirable for home and market garden. Head broad heart-shaped, 8 in. long, 7 in. broad at base, firm, commonly 4 to 5 lbs. Fully a week later and heads larger and broader heart-shaped than Early Jersey Wakefield. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.



Early Flat Dutch

**COPENHAGEN MARKET**—66 days; distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6 to 7 in. diameter, and weigh 3½ to 4 lbs. Interior clear white and of excellent quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

**EARLY JERSEY WAKEFIELD**—62 days. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing very close planting; stem short. Heads conical, usually 7 in. long, 5 in. thick near base; firm and weigh 2-2½ lbs. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

**GOLDEN ACRE**—62-64 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 in. in diameter and weigh 3 lbs. This is similar to Copenhagen Market but is several days earlier and the heads are smaller. It is practically as early as Early Jersey Wakefield. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

SECOND EARLY AND INTERMEDIATE VARIETIES

EARLY DWARF

**FLAT DUTCH**—71 days. Splendid for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 in. diameter, 6 in. deep and weigh 4½ to 5 lbs.; firm and of high quality. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



Late Flat Dutch

**EARLY WINNIGSTADT**—77 days. Very hardy and dependable; particularly valuable for shipping as well as for home and market garden. Heads extremely firm; heart-shaped; become 8 to 10 in. long and 6 to 7 in. thick near base and weigh 5 lbs.; of splendid quality. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**GLORY OF ENKHUIZEN**—73 to 80 days. Particularly valuable for kraut; also popular for home and market garden. Heads very large; globular; 8 to 9 in. diameter; firm; commonly weigh 6 to 8 lbs.; stem medium short. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**DANISH BALL HEAD**—Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8 to 9 in. across, 6 to 7 in. deep and weigh 7 to 9 lbs. Very firm and solid, of excellent quality and keep perfectly in storage until late spring. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

LATE OR AUTUMN AND WINTER VARIETIES

**PREMIUM LATE FLAT DUTCH**—105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12 to 14 in. across, 7 in. deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

**SAN FRANCISCO MARKET**—Late, coarse-leaved variety which forms a large hard head. It remains a remarkably long time in the field without bursting and thus provides marketable heads over a long period. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**MAMMOTH ROCK RED**—90 days. The best red cabbage; splendid winter keeper. Heads round to slightly flattened globe shape; commonly 7 in. in diameter and weigh about 7 lbs.; very hard; deep purplish-red. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

**SAVOY, IMPROVED AMERICAN**—85 days. The best of the Savoy group for home use and market. Leaves blistered; stem short. Heads flattened globe shape; medium large, firm. Outside leaves yellowish-green; interior leaves crumpled, attractive light yellow-green; of distinctive flavor. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

CHINESE CABBAGE

**CHIH-LI**—Early and very sure heading. Head becomes 18 to 20 in. tall, 3¼ to 4 in. thick, tapered near tip, very firm well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

**WONG BOK**—Heads 8 to 10 in. tall; broad; firm. Well blanched, tender and of excellent quality. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

CARROTS

This delicious and nutritious vegetable is not appreciated as it should be. Properly cooked, it is a great delicacy. Its feeding qualities for stock are excellent. A sandy soil is best, but any good rich soil will produce good crops. Sow in early spring in rows 15 or 18 inches apart and thin to three or four inches, according to size of variety. Cover the seed only half inch and give careful cultivation throughout the season. They may be eaten either when a half inch or so in diameter or when fully grown.



Chantenay

**CHANTENAY**—70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielder. Roots deep reddish-orange; become 5½ to 6 in. long, 2¼ in. thick at top; tapered; stump-rooted; flesh deep orange. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**CHANTENAY, RED CORED**—70 days. This is a distinct improvement over the well-known Chantenay, especially in color, texture and quality of flesh and has been accepted with much enthusiasm, particularly by shippers of fresh vegetables and by canners. Roots deep reddish-orange; 5½ to 6 in. long, 2¼ in. thick at the shoulder, tapered, stump-rooted; core reddish-orange, almost the same color as the flesh and so inconspicuous as to make the term coreless seem appropriate; flesh fine grained and tender; of sweet, delicate flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**DANBURY, HALF FLAVOR**—75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 7 in. long, 1¾ in. thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**FRENCH FORCING** (Earliest Short Horn)—60 days. Valuable for forcing and for out-of-door culture for early market. Tops small. Roots reddish-orange; small, globular, become 1½ in. in diameter; flesh reddish-orange, of high quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**IMPERATOR**—77 days. Roots 8 to 10 inches long, and 1½ to 2¼ inches across at shoulder. Cylindrical in shape and usually well stump-rooted. Color, deep orange. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LONG ORANGE**—85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10 to 12 in. long, 2 in. thick at the top; tapered, pointed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**NANTES, STUMP-ROOTED**—68 days. Particularly desirable for frame culture and one of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 in. long, 1¼ in. thick; cylindrical; stump-rooted. Flesh bright orange, of highest quality; core inconspicuous. Similar to much that is offered under the term "coreless." Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**OX-HEART OR GUERANDE**—75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed.

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Roots scarlet-orange; broad, blunt, heart-shaped; become 4½ to 5 in. long; easily harvested. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

KNOX'S FAMOUS CAULIFLOWER

Cauliflower is grown the same as cabbage, but requires more fertile soil, and like cabbage and lettuce, is not a good summer crop. There are two good seasons for sowing cauliflower seed; for fall and winter sow the seed in June and July, for spring sow in September and October. Transplant the plants when they are about six weeks old, and always keep them in a thriving condition. If large or old plants are used and if they are not kept growing constantly, some will head prematurely and others will go to seed.



Dry Weather or Danish Giant

**DANISH GIANT, DRY WEATHER**—65 days. Dependable variety to plant at the same time as Early Snowball, the crop being ready when Snowball has been harvested; one of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large; 6 to 7 in. across, commonly weigh 2 lbs., white with tinge of cream; of splendid quality. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**EARLY SNOWBALL**—52 days. The best for greenhouse forcing, early market and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 in. across and weigh 1½ to 2 lbs.; the standard of excellence in cauliflower. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**EXTRA EARLY DWARF ERFURT**—57 days. Standard very early variety for home, market garden and shipping. Plants dwarf, short stemmed. Heads snow white; roundish, compact, commonly weigh about 2 lbs.; similar to Early Snowball, but usually a little later than our strain of that variety. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**VEITCH'S AUTUMN GIANT**—90 days. The best of the late varieties. Plant large and upright. Leaves protect the head, which is large, round, deep; commonly 6 to 8 in. across and weighs 2 to 2½ lbs.; pale creamy white and of good quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

BROCCOLI

CAULIFLOWER TYPE

**December**—The earliest strain; sown in July, transplanted in August, fine, large, white heads produced in November and December; usually does best from seeds planted direct in field in July. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**January**—Vigorous, stocky, compact plants; produce fine, white, well protected heads during January and early February. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**February**—Plant compact, bluish-green; produces very solid, long standing, white heads of the finest quality during February. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**March Early**—Newly developed strain of outstanding quality for harvest during the first half of March. Plants short stemmed and compact with dark wavy leaves. Heads large, well protected, very white and of finest quality. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**March Late**—Produces fine white, well protected heads the latter part of March. Similar to St. Valentine (Early March), but about 2 weeks later. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**April**—Produces large, firm white heads in April, having been sown about August 1 and transplanted in September. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**California Wonder**—Preferred for maturing in January. Plants large with long leaves that protect the head, which is large, solid and fairly white, but coarser than Early Snowball Cauliflower. Pkt., 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

**St. Valentine**—Standard market variety for March shipment. Plants large with dark green, wavy leaves; heads large, solid, white and very well protected. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.00; lb., \$11.00.

CHRISTMAS CALABRESE GREEN SPROUTING

The leading variety for shippers, also used largely by market gardeners and in home gardens. A tall branching plant forms a central head of bluish green flower buds resembling a loose head of cauliflower. After the main head is removed, side branches continue to develop throughout the season, and frequently form small, heads, which, with the stems, are cut and served in the same way as asparagus. It is a highly desirable, delicious vegetable, steadily gaining in favor. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



SPROUT OF WHITE BROCCOLI.

SPROUT OF NEW GREEN CAULIFLOWER, BROCCOLI.

CHICORY

**LARGE ROOTED OR COFFEE**—Roots mature in 4 to 5 months. Dried roots used as substitute for and adulterant of coffee. Roots 12 to 14 in. long, 2½ in. thick at top; tapered. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**SMALL ROOTED OR RADICETTA**—Fast growing annual; grown for tops, which are used for greens; tender flower shoots also used. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

(Continued on Page 12)



(Continued from Page 11)

**WITLOOF OR FRENCH ENDIVE**—One of the best and most attractive of salad vegetables; grown largely by market gardeners and shippers. The carefully trimmed roots when buried upright in damp sand and given the proper conditions each produce a handsome, compact cluster 4 to 5 in. long of blanched leaves which are tender and have a rich, mildly acid flavor. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**CHIVES**

**ALLIUM SCHOENOPRASMUM**—Small perennial of the onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews; flowering plant is decorative. Pkt., 5c; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

**COLLARDS**

**GEORGIA, SOUTHERN OR CREOLE**—Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 feet tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

**CHERVIL**

**CURLED**—Similar to parsley, but of more delicate texture. Leaves bright, rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**SWISS CHARD**

Swiss chard is one of the easiest vegetables to grow. Planted in the springtime it will grow one whole year before running to seed, and produce an abundance of green leaves the whole year. The broad, white stalks can be cooked like asparagus and the green leaves used the same as spinach. In picking always pick the largest outside leaves and the plant will continue to produce leaves from the center. It is also one of the best greens to plant for poultry, as it will produce more greens with less care and through a longer season than anything else.

**WHITE**—Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white midribs or chards of excellent quality; sown at different seasons of the year, giving successive greens. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LUCULLUS**—A peculiarly delicious variety having green leaves which are remarkably crimped and curled, like savoy-leaved cabbage. The chards are white and broad but not so broad as the common variety, although equally fine in flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**SWEET CORN**

For new varieties see Page 10

One of the garden's sweetest vegetables. Plant from February 15th to August 1st, in rows 3 feet apart, drop 6 or 7 kernels in hills every 18 inches in the row and thin out to two of the healthiest plants in each hill when about 5 inches high. Break off all side shoots except the two top ones as they will produce the largest and best ears. Corn is at its very best when picked and eaten within an hour, but it is extremely important that it be picked just at the right time, especially when not too old. Frequent planting of several varieties in succession will keep a good supply available all summer.

**SWEET OR TABLE VARIETIES**

**ALAMEDA SWEET**—95 days. The standard market variety used in California and the most reliable for climatic conditions here; developed by selection by the market gardeners in Alameda County, California, from Early Mammoth. Plants short and stocky with large green leaves; ears 10 to 14 rowed, snowy white, of excellent quality and covered with a strong husk. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**BANTAM EVERGREEN (Golden)**—95 days. Thrifty, productive, valuable for canning and market. Stalks 6 to 7 feet tall. Ears large, 7½ to 8 inches long with 14 to 18 rows of deep, compact kernels that are rich golden cream in color, of good flavor, and have the "Evergreen" quality of remaining in table condition a long time. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**BLACK MEXICAN**—93 days. Home garden variety of splendid quality. Plants 6½ feet tall. Ears 8 to 9 in. long; 8 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**COUNTRY GENTLEMAN**—110 days. Heavy yielding variety with Evergreen character. Valuable for home, market garden and especially for canning. Plants 6½ to 7 ft. tall, commonly with 2 or more ears. Ears 7½ to 9 in. long, 4 in. thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep; sweet and tender. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**EARLY EVERGREEN**—98 days. Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen, from which it was developed. Plants 6½ to 7 ft. tall. Ears about 7½ in. long, 2½ in. thick with 14 to 20 rows of very deep, white, sweet, tender kernels that remain fresh and tender remarkably long. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**GOLDEN BANTAM**—83 days. The best strain of Golden Bantam offered to the trade. As early as Sunshine and of incomparably better quality. Plants dwarf; 4½ to 5 ft. tall; very productive, commonly bearing 2 ears. Ears 6 to 7 in. long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**GOLDEN SUNSHINE**—78 days. Comparatively new early sweet corn of merit for the home and market garden. Plants 5½ to 6 feet tall. Ears commonly 6½ to 7½ in. long and 10 to 12 rowed; of good quality. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**HOWLING MOB**—85 to 88 days. Vigorous, heavily productive sort particularly valuable for market gardeners and truckers. Plants 4½ to 5 ft. tall. Ears 7 to 7½ in. long, 12 rowed. Kernels milky white and of good, sweet flavor. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**MAMMOTH WHITE CORY**—79 days. Valuable early home and market garden sort. Plants 4 ft. tall, commonly bear 2 ears. Ears 6 to 7 in. long; uniformly 12 rowed. Kernels white, sweet and tender. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**OREGON EVERGREEN**—95 days. Earlier than Stowell's and, like it, is very fine and sweet. It is very popular in Southern California for producing corn through the winter. It is a good canning variety and also a good late corn in the North. Ears medium to large, 12 to 18 rowed; kernels pure white; husks firm and strong, protecting the ear in a large measure from the corn ear worm and allowing long distance shipping. It will remain in good edible condition longer than any other variety. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**STOWELL'S EVERGREEN**—105 days. Standard late variety very valuable for canning and much grown for market. Plants 7 to 7½ ft. tall. Ears 8 in. long; 2½ to 2¾ in. thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**WHIPPLE'S EARLY YELLOW**—85 days. An excellent early yellow corn of good size and fine quality. Plants 5½ to 6½ feet tall. Ears 7 to 8 inches long, 14 rowed with broad, deep kernels. Pkt., 5c and 10c; ¼ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**CELERY**

Celery seed should be sown indoors from February 20th to April 20th, or outdoors in April. Cover lightly, keep the beds moist, almost to wetness, and the temperature should not exceed sixty degrees. Outdoors it is sometimes necessary to furnish partial shade with lattice work that admits about half the sunlight. Keep the small plants well watered and free from weeds. Transplant when four inches high, cutting off the tops as well as part of the roots. The soil must be rich and moist or else water should be available for irrigation. Transplant the last of June or first of July, although it is sometimes possible to mature a crop set out as late as the middle of August. In setting, dig trenches 5 inches deep, 2 feet apart. Plant 1 foot apart along both sides of trench. Water often and keep the weeds down by cultivation and hoeing. Blanching is done by heaping up with soil or with two wide boards placed on each side of the rows and held in place by stakes or wire hoops at the top. The latter method is necessary when blanching in hot weather for the early market. Be careful not to disturb the plants while wet, as this increases the tendency to rust.

**FLORIDA GOLDEN**—A superior, very uniform, early variety developed from Golden Plume; particularly valuable for early spring and for late fall celery in Florida and for early fall celery in Northern sections. Plants 22 to 25 in. tall, compact, full hearted; pack readily in crates; edible stalks 8 to 10 in. long, blanch readily; thick, crisp and of splendid flavor. Pkt., 5c; oz., \$1.00; ¼ lb., \$3.00; lb., \$11.00.

**GIANT PASCAL**—Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**GOLDEN DETROIT**—The standard of excellence in the self-blanching class. Medium late and particularly valuable for shipping. A very uniform (pure line) selection of Dwarf Golden Self-Blanching. Plant heavy, compact, very full hearted; commonly 22 inches tall; edible stalks 6½ to 8 in. long. Pkt., 5c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.50.

**GOLDEN PHENOMENAL FOR EARLY PLANTING**—Very desirable for shipping. Plants early ready for use, full hearted; compact; with long, edible stalks that are thick, solid; blanch readily and are of rich, nutty flavor. Similar to Golden Plume or Wonderful, but has longer edible stalks. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**GOLDEN YELLOW SELF-BLANCHING DWARF**—Standard market and shipping sort. Plants medium sized, stocky; 20 to 24 in. tall; leaf stalks thick, solid, blanch readily and of sweet, nutty flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**GOLDEN YELLOW SELF-BLANCHING TALL**—Early and particularly desirable for home and market garden, though not so desirable for shipping as the dwarf type of Golden Yellow Self-Blanching. Plants fairly tall and compact with firm, thick stalks which blanch readily and are of splendid quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**GOLDEN PLUME OR WONDERFUL**—Early and very desirable for home and market garden. Plants medium sized; stocky, full hearted and compact; with thick solid stalks which blanch readily and are of the finest table quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**UTAH OR GOLDEN CRISP**—An excellent variety for fall use, maturing about a week or ten days earlier than Giant Pascal. Plants sturdy, compact and exceptionally solid. Stems are broad but thick and well rounded. Of fine quality and rich, nutty flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**WHITE PLUME**—Valuable for early market. Foliage green tinted white; stalks and foliage blanch very readily to snowy-white. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**CELERIAC, LARGE SMOOTH PRAGUE**—Turnip-rooted celery. Roots 3 to 4 in. in diameter; globular; fairly smooth; stalks hollow, dark green. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**CUCUMBER**

Plant from February 15th to July 15th in hills 4 feet apart each way, dropping from 3 to 10 seeds per hill, and cover an inch deep. When they are about 5 inches high and danger of insects is past, thin out, leaving only four of the largest and healthiest plants to each hill. Cucumbers are extremely easy to grow and a few hills will produce an abundance for an average family. They are of very rapid growth, maturing from 6 to 8 weeks from date of planting. Keep the crop picked, when large enough for use, whether required or not; otherwise, if left to ripen, they will stop bearing.

**BOSTON PICKLING**—60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 in. long; 2½ in. thick; symmetrical; only slightly tapered. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**CHICAGO PICKLING**—60 days. Valuable pickling and slicing variety. Fruits deep medium green; black spined; 6 to 7 in. long; 2½ to 2¾ in. thick; tapered very slightly toward each end; uniform. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**DAVIS PERFECT**—68 days. Splendid dark green slicing variety particularly valuable for shipping. Fruits very dark green; retain color long after picking; white spined; 9 to 11 in. long; 2½ in. thick; somewhat tapered at both ends; very few seeds. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**EARLY CLUSTER**—56 days. Very fine pickling sort; very popular for early slicers. Fruits medium dark green; black spined; 5½ in. long; 2½ in. thick; cylindrical and full at both ends. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**EARLY FORTUNE**—66 days. One of the most desirable slicing sorts; extensively grown for shipping. Fruits very dark green, color retained a long time after harvest; white spined; 8 to 9 in. long; 2½ in. thick; only slightly tapered; very uniform. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**EARLY SHORT GREEN OR EARLY FRAME**—56 days. Splendid for pickling and for slicing; very popular for home gardens. Fruits bright medium green; black spined; 6 to 7 in. long; 2½ in. thick; uniform; blunt. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**EVERGREEN WHITE SPINE**—66 days. Splendid for home garden, market garden and shipping. Fruits very dark glossy green; 8 to 10 in. long; 2½ in. thick; cylindrical; blunt; very uniform. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**EARLY WHITE SPINE**—60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 in. long; 2½ in. thick; slightly tapered; blunt. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**IMPROVED LONG GREEN**—72 days. The most popular and one of the best for the home garden; particularly desirable for slicing. Fruits rich dark green; black spined; 12 in. long; 2½ to 2¾ in. thick; straight; cylindrical; with few seeds. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**KLONDIKE**—64 days. Very desirable for shipping. Fruits handsome; very dark green; white spined; 7 to 8 in. long; 2½ in. thick; cylindrical. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.50.

**LEMON**—65 days. Of superior quality for slicing and general salad use; fine for pickles. Fruits deep lemon yellow; black spined; become 3 to 3½ in. long and almost as thick; blunt. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**LONGFELLOW WHITE SPINE**—72 days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface; retain the color remarkably long after picking; white spined; 12 to 14 in. long; 2½ to 2¾ in. thick; straight, well filled at ends; very few seeds. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**SNOW'S PICKLING**—52 days. Extremely early and prolific. Best and most popular variety for small pickles.



Stowell's Evergreen



Davis Perfect

Fruits dark green at pickling size; black spined; become 5 in. long; 2½ to 2¾ in. thick; symmetrical; blunt ended. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**STAYS GREEN**—60 days. Splendid for shipping. Fruits rich dark green and retain the color long after picking; white spined; 7 to 8 in. long; 2½ to 2¾ in. thick; only slightly tapered; full at both ends. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**SMALL GHERKIN**—Of superior quality for pickles. This is the true West India gherkin, which is a species distinct from the true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface; become 1½ to 2 in. long; oval; very uniform; seeds numerous and small. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**DANDELION**

**IMPROVED THICK LEAVED**—Very superior strain. Makes vigorous, very compact growth. Produces a spreading rosette of leaves 18 to 24 in. across; leaves very numerous, thick in texture and blanch readily. Pkt., 5c; oz., 75c; ¼ lb., \$2.00.

**EGGPLANT**

**BLACK BEAUTY**—Popular home and market sort. Plants thrifty, 24 to 30 in. tall, commonly bear 4 to 6 large fruits, which are smooth, broad egg-shape; uniform; very rich dark purple and retain the color a long time. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**LARGE NEW YORK PURPLE**—The standard home and market sort. Plants are large, 30 to 36 in. tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical, broad, egg-shaped fruits. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**ENDIVE**

**BROAD LEAVED BATAVIAN OR ESCAROLLE**—Grown in market garden and for shipping. Plants large; leaves broad, thick, somewhat twisted; heart compact, blanches readily. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**GREEN CURLED, GREEN RIBBED**—A variety with deeply cut leaf margins, but not curled as is Moss Curled. It is medium large in size and blanches well at the heart in late summer and fall. The mid-ribs or stems are pure green. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**LARGE GREEN CURLED, PINK RIBBED** (Also known as Large Curled Pancalier) — A late, coarsely toothed variety of good size, which forms a good, blanch heart in the late fall. The mid-rib or leaf stem is tinged with rose. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**GARLIC**

**BULBS**—The bulbs are composed of numerous "cloves" or divisions inclosed in a common base by papery husks. These "cloves" are used in the manner of onion "sets" for propagation.

**AROMATIC, MEDICINAL and POT HERBS**

**ANISE** (*Pimpinella anisum*)—Annual, 12 to 18 in. tall; chiefly grown for aromatic seeds used in flavoring. (Not the same as Florence Fennel, which is sometimes called Sweet Anise). Pkt., 5c; oz., 15c.

**BALM** (*Melissa officinalis*)—Low perennial grown for fragrant leaves, which suggest lemon; yields valuable oil used in perfumes. Pkt., 5c; oz., 30c.

**BASIL, SWEET** (*Ocimum basilicum*)—Annual, 20 to 24 in. tall; entire plant has somewhat spicy aroma; used for seasoning; oil used in perfumes. Pkt., 5c; oz., 25c.

**BORAGE** (*Borago officinalis*)—Coarse, hairy annual 2 feet tall; large, thick leaves used as pot herb and for flavoring; blue flowers highly decorative and used for garnishing; good bee plant. Pkt., 5c; oz., 25c.

**CARAWAY** (*Carum carui*)—Biennial; produces rosette of leaves similar to carrot first year, and branched flowering stems 24 in. tall the second year; grown chiefly for aromatic seeds and volatile oil. Pkt., 5c; oz., 15c.

**CORIANDER** (*Coriandrum sativum*)—Annual, 15 in. tall; grown for seeds which are used in medicine and by bakers and confectioners for flavoring. Pkt., 5c; oz., 15c.

**DILL, MAMMOTH** (*Anethum graveolens*)—Annual, about 2 ft. tall; of strong aromatic odor and mildly pungent flavor; chiefly grown for seed clusters, used in making dill pickles. Pkt., 5c; oz., 15c.

**FENNEL, SWEET** (*Foeniculum officinale*)—Perennial usually treated as annual; 3 to 4 ft. tall; of aromatic odor and sweet pungent flavor; seeds used for flavoring confections and medicines; differs chiefly from Florence Fennel in not having swollen leaf bases. Pkt., 5c; oz., 15c.

**HOREHOUND** (*Marrubium vulgare*)—Hardy, branched, spreading perennial of strong aromatic odor; leaves used for seasoning and extract used in medical preparations. Pkt., 5c; oz., 30c.

**LAVENDER** (*Lavandula spica*)—Half hardy perennial, 2 to 2½ ft. tall, of a delicate aromatic odor; flower stalks dried and used in perfume and to scent linens in the home. Pkt., 5c; oz., 25c.

**MARJORAM, SWEET** (*Origanum marjorana*)—Tender, bushy perennial, 12 in. high, of aromatic odor and pungent flavor; chiefly grown for tender young leaves, used in seasoning. Pkt., 5c; oz., 35c.

**ROSEMARY** (*Rosmarinus officinalis*)—Hardy perennial, 2 ft. tall, of fragrant odor and warm, bitter flavor; leaves used in seasoning and extracted oil used in perfumery. Pkt., 5c; oz., 50c.

**RUE** (*Ruta graveolens*)—Hardy, somewhat bushy perennial, 1½ to 2 ft. tall; of a peculiar unpleasant odor and bitter acid flavor; used chiefly in medicine. Pkt., 5c; oz., 35c.

**SAGE, BROAD LEAF** (*Salvia officinalis*)—Hardy, spreading perennial; 12 to 15 in. tall; of strong, pleasant aromatic odor and mildly pungent flavor; the most commonly used of all the herbs for seasoning. Pkt., 5c; oz., 25c.

**SAVORY, SUMMER** (*Satureia hortensis*)—Annual about 15 in. tall; entire plant aromatic; very popular for seasoning. Pkt., 5c; oz., 15c.

**THYME** (*Thymus vulgaris*)—Hardy perennial; about 10 in. tall; of strong agreeable aromatic odor and pungent flavor; used in medicine and for seasoning culinary preparations. Pkt., 5c; oz., 30c.

**WORMWOOD** (*Artemisia absinthium*)—Hardy perennial forming large rosette first year and branched flowering stem 4 ft. tall the second year; of fragrant, spicy odor and intensely bitter flavor; used as a tonic, vermifuge and sometimes for seasoning. Pkt., 5c; oz., 30c.

**FENNEL**

**FLORENCE** (Sweet Anise)—Grown in home and market gardens. Plant 3½ to 4 ft. tall. Chiefly grown for the bulb-like structure formed by the enveloping thickened bases of the stalks of the lower leaves. This is aromatic and of a delicate sweet flavor. Sweet Fennel is quite different and forms no "bulbs." Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**HORSE RADISH**

**SMALL ROOTS, MALINER-KREN**—Never propagated from seeds. Very generally grown in home gardens and on a large scale in certain sections for the manufacture of relish. Maliner-Kren is an improved variety which produces thrifter, larger plants with larger roots than common horse radish. 5c each; 50c dozen; \$4.00 per 100.

**KALE or BORECOLE**

**DWARF GREEN CURLED**—Very hardy. Plants become 12 to 15 in. tall with 30 in. spread; compact. Leaves deep yellowish-green, large, finely curled and compact; plume-like. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00.

**JERSEY OR THOUSAND HEADED**—Immensely productive sort much grown for chicken feed and for stock. Plants tall, sometimes attain height of 6 ft. or more; much branched and tree-like and bear an abundance of thick, smooth, deep green leaves. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00.

**TALL GREEN CURLED SCOTCH**—Very hardy. Plants upright, 30 in. tall, with numerous large, deep yellowish-green, finely curled, compact plume-like leaves. Aside from habit, similar to Dwarf Green Curled. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00.

**KOHL RABI**

**EARLY PURPLE VIENNA**—60 days. Standard early sort. Plants small, leaves dark green with profuse purple staining. Bulbs flattened globe-shape, best for use when 2 to 2½ in. diameter, but become larger; exterior purple, but flesh white, mild, crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**EARLY WHITE VIENNA** (for forcing) — Produces bulbs of 2½ in. in diameter 55 to 60 days after seed is sown out of doors. The standard sort for forcing and for home and market garden use. Plants very small, leaves medium green. Bulbs flattened globe-shape, pale green; used when 2 to 2½ in. diameter, but grow much larger; interior white, mild, crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**SAVE THIS SECTION**

INSECTICIDE SPRAYS SUITABLE FOR VEGETABLE GARDENS ON PAGE 19. USE THEM FOR BETTER CROPS.



KNOX'S LETTUCE

The ground for lettuce should be prepared the same as celery, that is, trenches should be dug about 5 inches deep and 2 feet apart. If seed is used it should be drilled 1 inch deep along the edges and both sides of the trench. When the plants are about 1 inch high they should be thinned to 12 inches apart, and the plants that are pulled can be transplanted to other parts of the garden. When irrigating, run the water at the bottom of the trenches, let it stand and sub-irrigate. Do not under any circumstances allow the water to cover the plants, as it will cause Stem Rot.

**LETTUCE—HEADING VARIETIES**  
**IMPERIAL NO. 2—50**—A selection of the resistant No. 2. Resistant to brown blight. It is a refined and even strain and is recommended for maturity in Imperial Valley. California, during January and February and for Central California in the fall. General description same as New York. Packet, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**IMPERIAL F**—Seems to be the best of the Imperial types. Has few outside leaves, forms fine heads and is quite early. It grows rather upright; leaves are bright green, well savoyed, but only slightly serrated at the edges. Packet, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**CALIFORNIA CREAM BUTTER, b. s.**—75 days. Popular over the entire country, particularly with market gardeners; especially valuable for cool season culture. Plant large with thick, dark green leaves tinged with brown and spotted. Forms very large, globular head which is rich golden yellow inside, buttery and of best quality. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**NEW YORK SPECIAL, w. s.**—The most largely used lettuce in the world; grown in immense quantities on the Pacific Coast and shipped to all parts of the country in refrigerator cars. Plants large, dark green, crisp heading, with large outer leaves which are notched and slightly curled on the edges; large, tightly folded cabbage-like head which is well blanched, crisp and sweet. Our Special is a strain of regular New York carefully selected for several generations. Packet, 5c; oz., 15; ¼ lb., 35c; lb., \$1.00.

**NEW YORK SPECIAL NO. 41**—A strain with wrapper leaves which fold over the head and protect it from sun and fog burn. It is a finely bred selection, runs very true, almost perfect, and is popular with the shippers for fall and winter use. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**NEW YORK SPECIAL NO. 12**—An early variety which does well in midsummer and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York, but is popular with shippers. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**COS OR ROMAINE LETTUCE**  
**DARK GREEN, w. s.**—A medium large, dark green variety which forms a good sized, firm, well folded head. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**WHITE PARIS SELF-FOLDING, w. s.**—77 days. Most popular variety for the home and market garden; likewise the best for forcing. Plants medium large and upright; medium light green with firm, spoon formed straight edged outer leaves and upright, loaf-shaped, well folded firm head; 8 to 9 in. tall, which is whitish-green inside with heavy, white, brittle midribs; hard and crisp in texture but very sweet and considered by some the standard of excellence in lettuce. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**LETTUCE—LOOSE LEAVED VARIETIES**  
**CHICKEN LETTUCE**—Very hardy, rapid growing, medium light green, non-heading butter type which produces flower stalks early and furnishes an abundance of leaves over a long period of growth. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**EARLY CURLED SIMPSON, w. s.**—Early. Also well known as "White Seeded Simpson." Very hardy and dependable; particularly popular for home gardens. Plant large, compact; bright, light, lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**GRAND RAPIDS, b. s.**—Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright, solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



New York

MUSKMELON OR CANTALOUPE

One Ounce Will Plant 50 Hills.

Ask for Quantity Price.

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart, according to the vigor of the variety and richness of the soil. Plant eight to ten seeds to the hill. Cover firmly with about 1 inch of fine soil. When plants begin to crowd and the danger from the striped beetle is over, thin out, leaving only the four strongest plants to the hill. Give shallow cultivation frequently, until runners grow to such an extent as to make this impracticable. The quality of melons is dependent largely upon weather conditions and the vigor of vines; unfavorable weather and unhealthy vines produce a poorly flavored fruit. To induce early fruiting, pinch the ends of laterals.

WINTER VARIETIES

**CASABA, GOLDEN BEAUTY**—Attain full size in 120 days; require semi-tropical conditions for best development. Extensively grown in California for local-trade and long distance shipment. Fruits large, globular; 6 to 8 in. diameter; skin golden yellow; tough, wrinkled. Flesh very thick, white, juicy and sweet. Keeps well in storage. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

**HONEY BALL**—105 days. Splendid for home, market garden and shipping. Very productive. Fruits globular; 5 in. diameter; yellowish white, smooth; sparsely netted. Splendid shipper and keeps well in storage. Flesh silvery green; juicy, with sweet, honey-like flavor. The same as Nicholson's Honey Ball. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

**HONEY DEW GREEN FLESH**—115 days. Grown extensively in the warmer melon growing sections for local markets and distant shipment. Fruits broad and oval; 7 to 8 in. long and 6 in. diameter; nearly white, becoming creamy yellow; smooth with occasional net. Flesh thick; pale emerald green; sweet, juicy, with honey-like flavor. Keeps well in storage for considerable time. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

MUSTARD

**CHINESE**—Very hardy and vigorous; leaves broad oval; thick; deeply savoyed and crumpled. Pkt., 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

**FORDHOOK FANCY** (Also known as Ostrich Plume)—Vigorous, of comparatively upright habit; slow to produce seed stalks; leaves handsome plume-like, bright green; seeds reddish-brown. Pkt., 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

**SOUTHERN GIANT CURLED**—Very hardy and the most popular for greens. Leaves large and wide, bright green and very curly on the edges. The plant, although slightly spreading, is quite upright in growth. Pkt., 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

LEEK



Leek

**GIANT MUSSELBURG**—Early. Very large with long white stem and large, medium green leaves. Not so hardy as Monstrous Carentan. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**LARGE FLAG**—Early. A popular gardener's variety, with long, thick, well-blanching stems. Leaves a trifle lighter green than those of Monstrous Carentan. Similar to London or American Flag. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**MONSTROUS CARENTAN**—A very popular variety; very hardy. The pure white stem is a trifle longer but not as thick as Large Rouen. Dark green leaves. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

MAIL ORDERS PROMPTLY FILLED

MUSHROOM SPAWN

**SPORE CULTURE**—Mushroom is propagated by means of microscopic "spores" which correspond to the seeds of flowering plants. The spore culture we offer is from a selected strain, which insures uniformity, and is prepared in the form of bricks. Per brick, 35c; 10 bricks, \$3.00.

OKRA or GUMBO

**PERKIN'S MAMMOTH LONG POD** — Standard medium early sort for home, market garden and canning. Plants 4 to 5 ft. tall; pods dark green, fleshy, tender; become 7 to 8 in. long, 1½ in. in diameter; distinctly ribbed and tapered. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WHITE VELVET**—Early. Plants 3 ft. tall; pods white, fleshy and tender, slender; become 6 to 7 in. long and ¾ in. in diameter; tapered, smooth, not ribbed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

ONION

Onions are extremely hardy and will grow in any soil. No special knowledge or care is required, providing the soil is kept loose, and naturally onions, like anything else, will do better in good rich soil, well drained. For extra early onions the seed should be sown in beds from August 1st to October 1st. Transplant when they are as large as lead pencils, 5 inches apart in rows 15 inches apart during December and January, as the plants will be large enough by that time.

California Early Red is the earliest onion, maturing in May; the yellow, white and brown in June, and the Italian Red in July. A large percentage of the onions are grown along the rivers on bottom land and the seed is sown in December and January, drilled in rows 16 to 18 inches apart and later thinned to about 4 inches apart. About 4 pounds of seed are required to plant one acre. This crop matures during August and September. The brown and yellow varieties are the ones most extensively planted. If mildew should attack onions, dusting with sulphur will prevent it if applied in time.

**AUSTRALIAN BROWN**—Standard market variety of notably long keeping quality; splendid for sets. Bulbs flat but rather deep in shape; skin thick and chestnut brown; flavor strong and flesh cooks dark. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

**EBENEZER**—Produces excellent sets of extraordinary keeping quality which, planted in the spring, produce early mature onions for market. Bulbs medium size, deep-flat in shape, pure, deep yellow; very firm and hard. The true type of this and of Japanese is the same. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**PRIZETAKER** (Same as Mammoth Yellow Spanish or Valencia)—The most widely grown of the Sweet Spanish class. Enormously productive, widely grown for shipping. Bulbs large globular; skin thin, glossy and of a lighter shade of yellow than Ohio and Southport Yellow Globes; flesh coarse but mild and sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**RED WETHERSFIELD** — Standard late variety of splendid keeping quality; excellent for sets and for mature bulbs. Bulbs large, flat but rather deep; skin deep purplish-red; flesh white with faint pink flush; flavor strong. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**SOUTHPORT RED GLOBE** — Standard late variety used in large quantities in some markets; splendid keeper. Bulbs large, globe-shaped; skin thick, very deep purplish-red; flesh white with faint tinge of pink; flavor strong. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.



Southport White Globe

**SOUTHPORT WHITE GLOBE**—Standard late variety of highest quality. Bulbs medium large, globular, firm; skin clear white; flesh clear white and fairly mild; keeps well but not so long as the standard colored globes. Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

**SOUTHPORT YELLOW GLOBE** — Standard late variety of splendid keeping quality. Bulbs large, globular; skin deep orange-yellow; flesh fine grained; fairly strong. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**SWEET SPANISH** (Riverside Strain)—The best of the very large, mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**WHITE PORTUGAL** (American Silverskin) — Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size, flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**YELLOW DANVERS, FLAT** — One of the hardiest, most easily grown and best keepers. Unexcelled for general purposes and especially valuable for sets. Bulbs medium large, flat but fairly thick; clear, bright yellow; flesh white with faint tint of yellow; firm and hard. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**YELLOW GLOBE DANVERS**—Very popular and somewhat earlier than Ohio and Southport Yellow Globes. Bulbs medium large, globe-shaped, pure yellow; flesh white with faint tinge of yellow; firm and hard. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**WHITE QUEEN**—Early market and pickling sort. Bulbs medium small, pure white, flat, mild and sweet. Similar to Extra Early Barletta. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

ONION SETS

The earliest onions are grown from sets planted in September. This brings them in the market in February and March, when prices are highest. About 250 lbs. of sets will plant one acre.

For the home garden no vegetable is so valuable as the onion, and for this purpose it is better to plant sets because they are ready for the table six weeks after planting. Set them three inches apart in rows six inches apart. When ready for use, take up every other one as needed, allowing the balance to grow to mature size. One pound of sets will plant about fifty feet of row. Lb., 10c; 10 lbs., 85c.

PARSLEY

**DOUBLE CURLED**—Very handsome; rich, deep green with finely curled leaves. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**EXTRA TRIPLE CURLED** (Moss Curled)—Plant very compact, leaves very dark green and so finely cut and closely curled as to resemble tufts of moss. Aside from its value for flavoring and garnishing, the plant is decorative. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**HAMBURG, THICK ROOTED** — Plain leaved variety which forms a large, thick, edible root. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**PLAIN OR SINGLE**—The standard variety of plain leaved parsley. Leaves dark green, deeply cut but not curled. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

OUR NEW YORK LETTUCE SEED IS SELECT . . . FORMS LARGE, SOLID HEAD.



## WATERMELON

A light, sandy soil, with good exposure to the sun is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. To get good, strong vines early in the season, form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, dropping 6 seeds in the hill. Protect the young plants from insects. One oz. to 30 hills, 2 lbs. to the acre. When the plants are about 4 inches high thin out, leaving only four of the strongest plants to each hill.



Kleckley Sweet

**ANGELENO**—Medium early. Very popular home and market garden sort in California. Fruits medium to large; round, with blocky ends; very dark green; with strong rind; stand shipping well; flesh bright red, firm, of splendid quality; seeds black. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**CHILIAN**—Medium early. Splendid home and market garden variety; very popular on the Pacific Coast. Fruits medium small; round; medium green with dark stripes; flesh bright red; of splendid quality; seeds black. There is a white seeded strain which is very similar. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**FLORIDA FAVORITE**—Medium early. Standard home, market garden and shipping sort in the South. Fruits large; uniform, oblong; light green with dark striping; rind tough; flesh bright red; of high quality; seeds white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**GEORGIA RATTLESNAKE (Gypsy)**—Main crop. Standard home and market garden sort in the South; extensively grown for shipment. Fruits large, long, cylindrical; light green alternating with narrow, very dark green stripes; rind very tough; flesh rich scarlet red; of high quality; seeds clouded white with brownish markings. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**KLECKLEY'S SWEETS or MONTE CRISTO**—Early. The most popular home garden sort; because of the thin, brittle rind it is not suitable for shipping. Fruits large, oblong, very dark green; flesh bright red, crisp, exceedingly sweet; seeds white. Very similar to Halbert Honey. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**KLONDIKE**—Early. Unsurpassed in quality. Widely used in home and market gardens in California and increasingly in demand for shipping. Fruits oblong, with shallow ribs; pure green; flesh bright red, very sweet; seeds very small. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

**STONE MOUNTAIN**—Main crop. Recently introduced melon of outstanding merit; ideal for home and market garden; shipped North in enormous quantities. Fruits very large, broad oval, almost round with blocky ends; dark green with indistinct veining; rind hard and tough; flesh bright red, crisp and sweet. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**TOM WATSON**—Main crop. The most widely grown melon for shipping; also splendid and popular for home and market garden use. Fruits very large; oblong, cylindrical, symmetrical; dark green with fine veinings of very dark green; rind very tough; flesh bright, deep red, crisp and sweet; seeds brownish. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

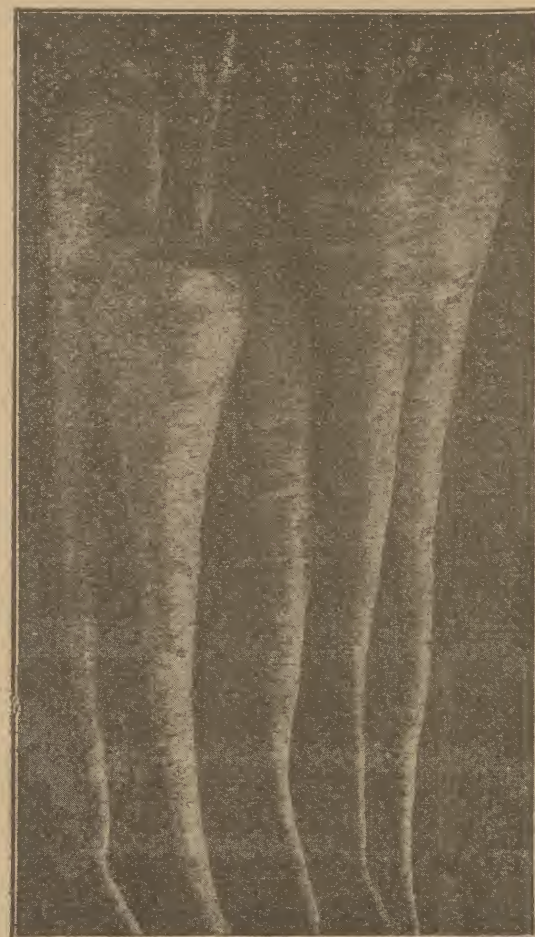
### STRIPED KLONDIKE

The new Klondike that created such a sensation last year. Has all the excellent qualities of the old Klondike plus many new ones. A tougher rind, does not sunburn, better shipper, no white streaks in the heart. It brought a premium wherever offered last year. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.



## PARSNIP

One ounce will sow 150 feet of row



Hollow Crown

Use a deep, rich, sandy soil, although any deep, melow, moderately rich soil will produce good roots. Sow as early in spring as possible, in rows which are 1½ feet apart, covering firmly with ½ inch of fine soil. When plants are well up, thin to 2 or 3 inches apart in the row. Cultivate frequently. Parsnip seed is slow to germinate; sowing should be made early and soil pressed down firmly over seeds.

**HOLLOW CROWN, THICK SHOULDER**—Roots 12 to 15 in. long, 3 in. thick at shoulder; tapered; smooth. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## KNOX'S PUMPKINS

Pumpkins are frequently planted in connection with a crop of field corn, and if you grow corn you may just as well grow pumpkins. They will grow best in soil kept moist by the dry farming method, as too much moisture will kill them. Plant the seed in open ground after the danger of frost is over, in hills 8 feet apart each way; drop from 8 to 10 seeds per hill and when the plants are about 5 inches high and danger of insect pests is past, thin to 3 or 4 of the healthiest plants. If irrigation is needed, run the water in ditches about 18 inches from the hill. About three pounds of seed will plant one acre.

**CALIFORNIA FIELD**—Largely used for stock feeding. Fruits very large, somewhat variable in form and color. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., 75c.

**GREEN STRIPED CUSHAW**—Widely used for stock feeding. Fruits large, commonly become 18 to 20 in. long and weigh 12 lbs.; solid thick crookneck and round blossom end; smooth, white with green stripes and veining; shell thin; flesh thick, coarse, cream colored. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**LARGE YELLOW OR CONNECTICUT FIELD**—The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 in. long, 12 in. diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**MAMMOTH KING**—Extremely productive and of high feeding value; sometimes used by canners; rather generally grown for stock feed. Fruits enormous, nearly spherical, commonly 20 in. through and weigh 60 lbs.; sometimes much larger; skin reddish-yellow; flesh thick, bright yellow, firm, rather coarse. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**PIE OR WINTER LUXURY**—Very popular home and market garden sort; about in season with Sugar or New England Pie. Fruits almost globular, commonly 7 to 8 in. long and 8 to 9 in. diameter and weigh 8 lbs.; skin light orange; not furrowed but with a netted, russety appearance; rind thin and easily cut; flesh very thick, yellow, firm and of splendid quality. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.



**SUGAR OR NEW ENGLAND PIE**—The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 in. long and 8 to 9 in. diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

**SWEET CHEESE OR KENTUCKY FIELD**—Standard large pumpkin for canning and for stock feed; largely grown in the South. Our stock is uniform, true to type, dependably early and heavily productive. Fruits very large, flattened, commonly 12 to 15 in. diameter and half as deep; sometimes much larger; furrowed; skin creamy buff; flesh extremely thick, deep salmon-yellow and of good quality. Packet, 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

## KNOX'S IMPROVED PEAS

Write for Prices in large quantities

One pound will sow 60 feet of row. Light, moderately rich soil is best for this crop. Sowing of the first early variety should be made in October, and the other varieties for successive crops. Plant every two weeks until the first of April. Peas are sown in single or double rows, from 2 to 6 feet apart, according to the variety or height to which they attain. Have the rows of the dwarf varieties 2 feet apart, and those of the medium sorts from 3 to 4 feet apart, and the tall varieties from 5 to 6 feet apart.

### FIRST EARLY and EARLY VARIETIES

**ALASKA**—54 days. This variety and Extra Early are the earliest garden peas in cultivation. Alaska is the most widely grown pea for canning purposes. Vines 33 in. tall; slender; crop matures uniformly. Pods borne singly; light green; 2½ in. long, ½ in. wide; very plump; blunt. Seeds small, round, medium green with bluish cast, interior green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**AMERICAN WONDER**—59 days. Very important early dwarf variety for the home garden; the same as Nott's Excelsior. Vines 12 to 14 in. high; dark green; very productive. Pods medium green, 3 in. long, ½ in. wide, plump, straight, blunt ended; seeds medium small, squarish, wrinkled, green; interior green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**HUNDREDFOLD**—62 days. Prolific, large podded dwarf variety for home, market garden and shipping. Vines 18 in. tall, dark green. Pods borne singly; dark green, 4 in. long, ¾ in. wide, plump, tapered at tip. Seeds large, wrinkled, cream; interior yellow. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**LAXTON'S PROGRESS**—60 days. Splendid variety for home, market garden and shipping. Vines dwarf, 20 in. tall, dark green, prolific. Pods handsome, dark green, very large for dwarf variety; fully 4 in. long, ¾ in. wide, plump, tapered at end. Seeds large, wrinkled, cream; interior yellow. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**LAXTONIAN**—62 days. Similar to Hundredfold in type and usefulness. Vines 16 to 19 in. tall, medium dark green. Pods borne singly, medium dark green, 4 to 4½ in. long, ¾ in. wide, plump, tapered at tip. Seeds large, wrinkled, green and cream. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**LITTLE MARVEL**—62 to 64 days. Unsurpassed in quality and productiveness; particularly valuable for the home garden. Vines 18 to 20 in. tall, dark green; very thrifty, very prolific. Pods dark green, 3 in. long, ¾ in. wide, very plump, straight, blunt ended. Seeds medium sized, distinctly wrinkled, green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**PREMIUM GEM**—62 days. Valuable home garden variety. Vines 18 in. tall, medium green. Pods medium green, 2½ in. long, ½ in. thick, plump, straight, blunt ended. Seeds medium sized, green, wrinkled. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

### SECOND EARLY VARIETIES

**ALDERMAN**—75 days. Splendid dark podded variety for home, market garden and shipping. Vines 4½ to 5 ft. tall, dark green. Pods dark green, 4½ to 5½ in. long, ¾ in. wide, plump, straight, tapered at tip. Seeds large, wrinkled, pear-shaped, green. More desirable than Duke of Albany and Admiral Beatty. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

### LATER VARIETIES

**TELEPHONE**—73 days. One of the best home and market garden sorts; sometimes used for canning. Vines 4 to 4½ ft. tall, medium green. Pods borne singly, rich medium green, 4½ in. long, ¾ in. wide, plump, straight, tapered at end. Dry seeds large, pear-shaped, wrinkled, green; interior green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**DWARF TELEPHONE OR DAISY**—70 to 75 days. Very satisfactory for home, market garden and shipping. Vines 24 in. tall, thrifty; deep green. Pods deep green, 4½ in. long, ¾ in. wide, plump, tapered at end. Seeds large, wrinkled, green. This is a splendid, uniform stock recently developed by us. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**GIANT BUTTER (Edible Pod)**—Edible pods, 72 days. Splendid for home and market garden. Vines 5 ft. tall, light green. Pods 5½ in. long, ½ in. wide, almost as thick (usable much smaller), smooth, curved or sickle-formed and pointed; fleshy and entirely free of parchment and fibre; brittle, stringless; delicious served in same manner as snap beans. Seeds medium small, wrinkled, green; interior green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**IMPROVED STRATAGEM**—78 days. Splendid home and market garden variety. Vines 30 in. tall, dark green. Pods dark green, 4½ in. long, ¾ in. wide, plump, straight, tapered at end. Seeds large, squarish, wrinkled, green; interior green. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

**MELTING SUGAR (Edible Pod)**—Edible pods, 72 days. The best flat podded edible pod variety for home and market garden. Vines 4½ ft. tall, light green. Pods 4½ in. long, ¾ in. wide, flat, straight, tapered at end; fleshy, stringless, brittle, free of parchment, of splendid quality; used in the manner of snap beans. Seeds medium large, round, smooth, creamy white; interior yellow. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.



Alderman Peas

## PEPPER

**ANAHEIM (Hot)**—Late; particularly adapted to culture in the South. Popular in home and market gardens and grown on commercial scale for drying and canning. Fruits 6 to 8 in. long, about an inch through, tapered; deep green becoming rich scarlet; mildly pungent. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**CALIFORNIA WONDER (Sweet)**—72 days; large, green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market growers and shippers. Plant thrifty, upright, heavily productive over a long season. Fruits handsome, very large, very smooth and regular; commonly 4½ in. long and 3½ to 4 in. through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. Our stock is in a class by itself and definitely superior to that from other sources. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**CHINESE GIANT (Sweet)**—80 days. The largest sweet pepper. Fruits 4½ to 5 in. long and of equal diameter; roundish, blunt at the ends, somewhat crumpled; deep green, becoming bright scarlet-red; mild and sweet throughout. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**HUNGARIAN YELLOW WAX (Hot)**—60 days. Very early. Very desirable for home, market garden and canning. Plants small, heavily productive. Fruits 6 to 7 in. long, 2 in. thick, tapered, smooth, waxy light yellow, becoming bright red; flesh thick and pungent. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**LONG RED CAYENNE (Hot)**—70 days. A leading sort for use in pickles, for canning and for drying. Plants large, very prolific. Fruits 5 in. long, ½ in. through, tapered; deep green, becoming bright red; very pungent. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**PIMIENTO (Sweet)**—72 days. Standard variety for home and market garden, grown on large scale for canning whole. Plants large, upright, heavily productive. Fruits very smooth, regular heart-shaped, commonly about 3 in. long (easily cored for canning); deep green, becoming deep red; flesh very thick, sweet and of splendid flavor. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**RED CHILI (Hot)**—Ripe 85 days. Plants low growing and bushy. Fruits borne upright, very numerous, 2 to 2½ in. long, ¾ in. thick, tapered; waxy pale yellowish-green, becoming rich red; very pungent. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

SAVE THIS SECTION



## KNOX'S OREGON GROWN POTATOES

600 pounds will plant an acre.

We are large handlers of all varieties of Potatoes for Seed. Write for Prices when interested. It is best to cut the potatoes with two or three eyes to a piece, planting these in rows or hills about 3 feet apart and about 15 to 18 inches apart in the row. Write for prices, as market fluctuates.

### AMERICAN WONDER

—This early white potato is becoming more popular each year; it is a good size, smooth, and a splendid keeper. As a producer it has no equal among early potatoes. We have excellent strains from both Oregon and California seed of this variety.

### WISCONSIN PRIDE—

A medium early heavy cropper potato. The most favored by the market gardener.

**EARLY ROSE**—This pink-skinned variety is noted for earliness, productiveness and fine quality.

**BRITISH QUEEN**—A white potato about the same shape as the White Rose. It is noted for its very heavy yield.

**BURBANKS**—A standard late variety. It is of good size, of fine form and an excellent yielder. The flesh is white, very mealy and of fine flavor and quality. This variety is well adapted to heavy soils.

**WHITE ROSE**—A variety with the earliness of a Red Rose and all the qualities of a good white potato. A very good producer. Somewhat longer than the Red Rose.



WISCONSIN PRIDE  
The best late potatoes

**PEERLESS**—A medium early white potato. A very heavy producer. Tubers are somewhat round, of very good texture and flavor. Very popular.

## RADISH

One ounce will sow 100 feet of drill, 3 lbs. per acre. For first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for succession. A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.



**CRIMSON GIANT**—29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip rooted radishes; commonly attain diameter of 1½ in. before becoming pithy; of unexcelled quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**EARLY SCARLET GLOBE (Short Top)**—23 days. Our strain of this standard very early sort is superior and is equally valuable for out of door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe (so-called "broad-oval" shape); 1½ in. long when ideal for use; with slender, well-defined tap root; uniform rich, bright scarlet; flesh white, crisp and of splendid Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**FRENCH BREAKFAST**—25 days. Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, with slender, well-defined tap root; about 1½ in. long and ¾ in. through; rich scarlet with white bottom; flesh white, crisp and of splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**ICICLE**—27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout; brittle as ice; of splendid quality until 5 to 6 in. long and ½ in. thick or larger; mild and of splendid flavor. Superior to Lady Finger or White Vienna. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**LONG SCARLET**—27 days. Standard home and market garden sort. Tops small. Roots long, tapered; become 4 to 5 in. long and ¾ in. thick at shoulder; bright carmine-red. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**SCARLET TURNIP**—25 days. Standard early sort for forcing and out of door culture. Tops small. Roots deep turnip-shaped, almost round; with fine tap root; ideal for use when 1 in. diameter; scarlet-red; mild and crisp. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**SCARLET TURNIP, WHITE TIPPED**—25 days. Handsome, popular variety of outstanding quality; much used in home and market gardens. Tops small. Roots deep turnip shape, almost globular, with slender tap root; bright scarlet (rosy carmine) with well defined white area about the tip; remain crisp and of splendid quality until 1½ in. diameter or greater. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

### WINTER VARIETIES

**CHINESE ROSE WINTER (Scarlet China)**—50 days. Roots become 6 to 7 in. long, 1½ to 2 in. diameter at shoulder and slightly broadened outward to 2 to 2½ in. diameter at the blunt base; skin smooth, uniform bright deep scarlet; flesh white, firm, crisp, and pungent. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**CHINESE WHITE WINTER (Celestial)**—55 days. Roots about 8 in. long, 3 in. diameter at midsection; with square shoulder and blunt bottom; white, smooth; flesh white, firm, crisp, mildly pungent. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**LONG BLACK SPANISH**—55 days. Splendid keeper. Roots 8 to 9 in. long, 2 to 2½ in. diameter at shoulder and only slightly tapered; skin somewhat roughened; black; flesh white, very firm and crisp, pungent. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**ROUND BLACK SPANISH**—55 days. Splendid keeper. Roots globular with slender, well-defined tap root; 3½ to 4 in. in diameter; skin somewhat roughened, black; flesh white, firm, crisp and pungent. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

## RHUBARB

**CRIMSON WINTER**—Very popular in California, where it produces small crimson stems of the finest color and quality in winter and spring, and continues bearing over a long period. Roots, each, 5c; doz., 50c; 100, \$4.

## SALSIFY

**MAMMOTH SANDWICH ISLAND**—The standard variety for home, market garden and shipping. Produces uniform, long tapered white roots. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

## KNOX'S SPINACH

This plant will grow in any ordinary soil, but responds well to fertility. Sow early in the spring in drills twelve to eighteen inches apart. For early use sow light covering of leaves or straw. One ounce of seed will sow fifty feet of drill.



Amsterdam Giant

**GIANT THICK LEAVED (Nobel)**—(Round Seeded.) 43 days. Decidedly the best of the round seeded, thick leaved group. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick, broad arrow-shaped with rounded tip. Pkt., 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

**LONG STANDING BLOOMSDALE**—(Round Seeded.) 45 days. Superior variety of the Bloomsdale or Savoy Leaved group much in demand for home and market gardens because of the uniform handsome plants and remarkable long standing quality. Resembles Savoy Leaved or Bloomsdale, but is a trifle later, of more compact habit, a trifle darker green and remains free of flower stalks about two weeks longer. Pkt., 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

**PRICKLY SEEDED (Dark Green)**—45 days. The very hardy prickly seeded variety commonly used for market and canning in California. The leaves are large, thick and dark green. Pkt., 5c; ¼ lbs., 10c; lb., 20c; 5 lbs., 85c.

**SAVOY LEAVED OR BLOOMSDALE**—(Round Seeded.) 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 in. and spread of 12 to 15 in. Leaves large; blistered and crumpled; rich, deep, glossy green; of splendid quality. Pkt., 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

**NEW ZEALAND (Tetragonia)**—Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. Pkt., 5c; ¼ lb., 20c; lb., 50c.

## KNOX'S SQUASH

Any good enriched soil is adapted to the growing of the squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm. Plant in hills (about 8 to 10 seeds to a hill) the early sorts 4 to 6 feet apart, the late varieties 8 to 12 feet. Thin out to three plants in the hill. Keep the earth about the plants loose and free from weeds. One ounce for 25 hills, 2 to 3 pounds per acre.



### SUMMER VARIETIES

**EARLY WHITE BUSH SCALLOP**—Standard summer scallop squash for home and market garden. Fruits uniform, round, attain 9 in. diameter, flattened, with scalloped margins; smooth; white. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

MAIL ORDERS PROMPTLY FILLED

**EARLY WHITE BUSH SCALLOP (Green Tinged)**—A valuable White Bush selection which is rapidly gaining popularity on the West Coast. Fruits of convenient size for shipping; color greenish white when young; pure white when fully matured. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**GIANT SUMMER STRAIGHTNECK**—Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warting; straight, become 16 to 20 in. long and 4 in. through, but are usable much smaller. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**ITALIAN MARROW, COCOZELLE**—Standard for home, market garden and shipping. Sometimes called summer asparagus because the young fruits, when stewed, are of a delicious flavor suggesting asparagus. Fruits straight, almost cylindrical; become 18 to 24 in. long and 5 in. in diameter; smooth, dark green with lighter green to yellow stripes; flesh pale greenish white. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**ITALIAN MARROW, ZUCCHINI**—Fruits straight, almost cylindrical; become about 18 in. long and 4 in. in diameter, deep green with grayish-green mottling. Pkt., 5c; ¼ lb., 35c; ½ lb., 65s; lb., \$1.00.

**YELLOW SUMMER CROOKNECK**—Very popular for home, market garden and shipping. Very prolific. Fruits become 12 to 14 in. long and 3½ in. through; neck curved; skin bright orange-yellow, moderately warted. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.

### AUTUMN AND WINTER VARIETIES

**BANANA**—Standard home and market garden sort. Fruits cylindrical, commonly 20 to 24 in. long and 6 in. through; smooth, greenish gray; rind thin, brittle; flesh thick, light orange, fine grained, of sweet, rich flavor. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**BOSTON MARROW**—Particularly valuable for canning. Fruits large, commonly 10 to 12 in. through; almost spherical, usually a trifle flattened at blossom end; skin slightly roughened, rich orange; rind hard and brittle; flesh thick, salmon yellow. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**DELICIOUS**—The standard of excellence in winter squashes. Fruits broad top-shaped, commonly 7 to 8 in. long; skin very dark green, fairly smooth; rind thin but hard; flesh extremely thick, bright yellow, fine grained and dry without fibre and of highest quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**GOLDEN HUBBARD**—Earlier and smaller than Hubbard; splendid for home and market garden and commonly used for canning. Fruits globular with fairly prominent neck and blossom end; about 11 in. long and 8 in. through; deep orange-red with shallow warting; rind hard and tough; flesh thick, deep orange yellow; fine grained and dry; of splendid quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

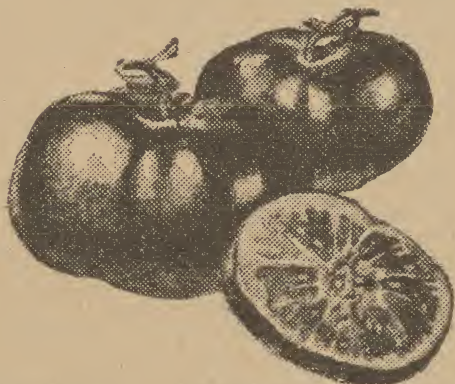
**HUBBARD**—The standard winter squash for home, market garden and shipping. Fruits medium large; commonly 9 to 10 in. through; globular, dark bronze green; moderately warted; rind very hard and strong; flesh very thick, deep orange yellow, fine grained and dry; of splendid quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

**TABLE QUEEN OR DES MOINES**—Very early; extremely prolific; one of the most popular for home, market garden and shipping. Fruits pointed acorn shape; 5½ in. long and 4 in. through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## TOMATOES

For New Varieties See Page 10

Tomatoes succeed best in well manured, light sandy soil. For early plants sow seed in boxes or hotbeds in January. When the plants are about two inches high, transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully, six feet apart each way, and cultivate well as long as vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set. Our seed stock is of the very best selection. One ounce of seed for 2000 plants.



According to our standard of description, those varieties which are described as producing fruits of medium size yield fruits that average 4.5 ounces to 5.4 ounces, according to the variety; those which are said to produce fruits of medium large size, yield fruits which average 5.5 to 6 ounces; and those varieties described as large fruited, yield fruits that average 6.1 to 7.2 ounces, according to the variety. Ponderosa and Ox Heart, with extremely large fruits, are in a class by themselves, and the Cherry, Pear, Plum and Husk tomatoes bear comparatively extremely small fruits.

**BREAK O' DAY**—73 to 75 days. We offer a superior selection of this early wilt-resistant, globe-shaped shipping sort. Plants heavily productive. Fruits large, scarlet; flesh firm and of good quality. Stock grown from seed obtained from United States Department of Agriculture. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**CHALK'S EARLY JEWEL**—75 days. Splendid home and market garden variety. Very trifty, heavily productive. Fruits scarlet-red; large; flattened globe shape; smooth and firm. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.75.

**DWARF STONE**—81 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe shape, a trifle over medium size. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**EARLIANA**—64 to 66 days. Particularly valuable for home garden and early market. Our strain is definitely superior in earliness and quality. Fruits medium size; flattened globe shape; deep scarlet red; firm and smooth. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**MARKLOBE**—75 to 78 days. We offer the most superb strain of this splendid type in point of earliness, uniformity, and general desirability; particularly valuable for shipping; definite disease resistance recommends this variety for use in sections infested with Fusarium Wilt and Nail-head Rust. Plants thrifty and heavily productive, of long bearing period. Fruits uniform deep scarlet; large uniformly globe shaped; smooth, solid, and of distinct quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**OX HEART**—90 days. Very popular late home garden variety. Fruits very large, often weigh 1 to 2 lbs. or more; heart shaped; pink; flesh solid with very few seeds; of very mild flavor, and very choice for salads. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**PONDEROSA (Also known as Beefsteak)**—85 days. One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 ozs. each; deep but flat; very fleshy with few seeds; of very mild flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

(Continued on Page 16)

PLANT EARLIANA TOMATOES FOR FIRST EARLY AND STONE TOMATOES FOR MAIN CROP



(Continued from Page 15)

**STONE** (Norton Wilt Resistant)—85 days. Particularly valuable for the market gardener, trucker and canner. Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Small Fruited Varieties** used only for preserves, pickles, and for decorative purposes.

**RED CHERRY**—75 days. Fruits small, round; rich deep red. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

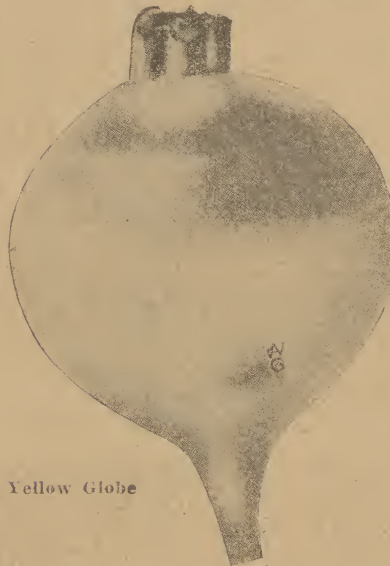
**RED PEAR**—75 days. Fruits 2 in. long; pear formed. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**YELLOW PEAR**—75 days. Fruits 2 in. long; pear formed. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**YELLOW PLUM**—75 days. Fruits oval, 2 in. long; clear deep yellow. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**YELLOW HUSK OR GROUND CHERRY**—(Not a true tomato; sometimes called Strawberry Tomato.) 80 to 85 days. Used for preserving. Fruits borne singly; small, round; enclosed in papery envelope; of rich, sweet flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## TURNIPS



Yellow Globe

Two pounds per acre in drills, three pounds broadcast. Turnips do best in highly enriched, sandy or light loamy soil. Commence sowing the earliest varieties in January in drills from 12 to 15 inches apart, and thin out nearly six to eight inches in the row. For last planting or main crop, sow in July and August.

**WHITE FLESHED SORTS**  
**COW HORN OR LONG WHITE**—Table size, 65 days; full size, 75 to 80. Chiefly grown for stock feed but very good for table use. Tops fairly large, erect, cut-leaved. Roots 12 to 15 in. long, 3 in. thick at shoulder, tapered, slightly crooked; smooth; with pale green shoulder; mild, sweet and tender. Pkt., 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**EARLY PURPLE TOP, STRAP LEAVED**—Table size, 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 in. diameter and half as thick; purplish-red above and white below; flesh clear white, fine grained, mild. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**EARLY WHITE FLAT DUTCH, STRAP LEAVED**—Table size, 45 days. Important home and market garden sort. Tops small, erect, compact. Roots flat; become 5 in. diameter and half as thick; entirely white; flesh fine grained and mild. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**EXTRA EARLY WHITE MILAN**—Table size, 40 days. Standard for home and market garden and for forcing. Tops small; strap leaved. Roots flat; become 4 in. across; entirely white; flesh fine grained, mild and tender. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**PURPLE TOP WHITE GLOBE**—Table size, 55 days; full size 70 days. The standard home, market garden and shipping sort for table use and splendid for field culture. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 in. diameter; flesh white, firm; fine grained and tender when young. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**SEVEN TOP, FOR TURNIP GREENS**—Standard extremely hardy foliage turnip for table and forage use. Root woody and inedible; crown sends up numerous leafy shoots which are excellent for greens and for stock to graze on. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**SHOGIN OR JAPANESE**—A new, extremely useful sort. It is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Already popular as a dual purpose variety; also very desirable because of its resistance to aphids or plant lice. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**SNOWBALL**—A very attractive medium size turnip of outstanding quality. Roots round, clear white both interior and exterior. Flesh fine grained, sweet and tender. Table size, 40 days. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**WHITE EGG**—Fine for home and market garden. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grow one-half above ground, egg-shaped, become 3 inches long and 2½ inches through. Flesh firm, white, fine grained, sweet and tender. Table size 55 days. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

**YELLOW FLESHED VARIETY**  
**ORANGE JELLY OR GOLDEN BALL**—Table size, 60 days. Splendid for table use. Tops small, cut-leaved. Roots globular, commonly 4 in. diameter; skin smooth, orange-yellow; flesh yellow, firm, fine grained and of good quality. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

## RUTABAGA

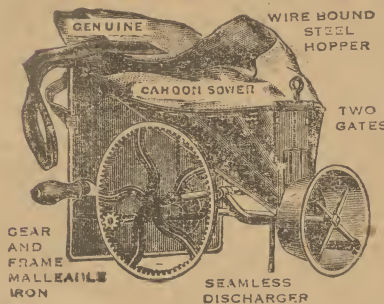
**AMERICAN PURPLE OR IMPROVED LONG ISLAND**—Standard variety widely grown for market and for storage and car-lot shipment. Tops comparatively small and neck short. Roots large, spherical; deep purplish-red above ground, light yellow below; tap root small; flesh yellow, fine grained, firm, crisp, mild and sweet. Packet, 5c; oz., 40c; ¼ lb., 30c; lb., 75c.

## THE CYCLONE SEED SOWER

A machine which should be on every farm. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow clover, corn and grass seeds and fertilizers of all kinds perfectly even, and any desired quantity per acre by following the simple directions on every machine. Price \$2.50. Weight 5 lbs.



## CAHOON SEED SOWER



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 ft. each side of the operator), lighter seeds, of course, will not be thrown so far. Weight 8 lbs. Price \$5.50.

WHEN QUANTITY OF ANY FIELD AND FARM SEEDS IS WANTED, ALWAYS WRITE FOR LATEST MARKET PRICES

# KNOX'S SELECTED FIELD CORN

## EARLY MATURING—HEAVY YIELDING

Proper selection of Seed Corn is a matter of working year after year, planting good seed in the beginning, watching the particular stalks which grow best and which set enough ears the proper distances from the ground, and then cutting the tassels from all other stalks in the field. The seed ears must be selected on the stalk, and ripened and dried under correct conditions. The grains must be shelled and stored and graded so they will be even in size, and their vitality maintained unimpaired. Finally, the seed must be tested for germination. We have picked growers who give their Corn crops the attention necessary to produce first-class seed.

## EUREKA ENSILAGE

Eureka Ensilage corn is without a doubt the heaviest yielding ensilage corn adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stocks bearing one to three ears to the stock, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage Corn for this season is of exceptionally fine quality and selected for size uniformity for both ear and kernel. Lb., 15c; 10 lbs., \$1.00. Write for quantity prices.

## ORANGE COUNTY PROLIFIC

Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes. We consider it next on the list following Eureka Ensilage Corn. What we have said regarding the selection of our seed stock for Eureka Corn also applies to this variety.

Price per lb., 15c; 10 lbs., \$1.00.  
Write for quantity prices.

## MEXICAN JUNE CORN—WHITE OR PRIDE OF MODESTO

Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes in many sections of California.

1 lb., 15c; 10 lbs., \$1.00

## KING PHILIP—YELLOW

This is a hard yellow flint corn and is generally referred to as 90-day corn. It is drought-resisting and will give a fair yield where most corns are a failure. 1 lb., 15c; 10 lbs., \$1.00.

Plant 8 to 10 pounds per acre in hills for shelled corn or for silo.

## REID'S YELLOW DENT

In the upland sections requiring a corn that will mature in about 115 days, Reid's Yellow Dent has made a well-deserved reputation because of its large yields and superior type of ear. It is a big yielder on good loam and heavy land, making ears that average 9 to 10 inches long with 18 to 24 rows to the ear, and well filled out at butt and tip. It is a true dent corn, the grains are medium narrow, wedge-shaped, and the rows are so close that there is practically no waste space between the rows. The cob is small for the size of the ear; makes one or two ears to the stalk. Lb., 15c; 10 lbs., \$1.00. Write for prices on larger quantities.

## IMPROVED LEAMING

Leaming is known the country over as a big yielding, early maturing yellow corn, making generally two big ears to the stalk with rarely a barren stalk. It does well on all soils, but prefers light to medium soils. The grain is wedge-shaped and covers the entire cob. The ears average about 10 inches long, with 18 to 20 rows to the ear. The color is a deep, reddish yellow. Matures in about 100 days. Lb., 15c; 10 lbs., \$1.00.

## HICKORY KING

The grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called Poor Man's Corn, because it can be depended upon to produce a crop on poor, thin land; on good land it bears two ears to the stalk. Lb., 15c; 10 lbs., \$1.00.

## IMPROVED WHITE DENT OR STANISLAUS WHITE DENT

Improved White Dent has been the reliable old stand-by with southern corn growers, and its merits are generally recognized. It makes a single ear to the stalk, but they are long and heavy; the grains are quite wide, deep and firmly set on a medium-sized cob. The stalk is tall and carries a good growth of fodder. Lb., 15c; 10 lbs., \$1.00.

## MISCELLANEOUS

**MILLET: German**—Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per lb., 15c; 10 lbs., \$1.00.

**MILLET: Proso.** (Hog Millet or Broom Corn Millet)—Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per lb., 15c; 10 lbs., \$1.00.

**RAPE: Dwarf Essex**—The crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry. Plant 10 lbs. per acre. Per lb., 15c; 10 lbs., \$1.00.

**SUNFLOWER: Mammoth Russian**—Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs. per acre. Lb., 15c; 10 lbs., \$1.00.

## WHIP-POOR-WILL COW PEA

For many years the Whip-Poor-Will has been the standard summer crop for green manuring not only here but throughout the South.

- (1) It will grow on practically all kinds of soils, whether sandy or clay, poor or fertile.
- (2) It is of the easiest culture.
- (3) It has a big, strong, deep-root system, well supplied with large nitrogen gathering nodules.
- (4) It revels in summer heat, and is extremely drought-resistant.
- (5) It grows very rapidly, shading the soil from excessive heat, and leaving no room for noxious weeds.
- (6) It greatly benefits the succeeding crop by accumulation of nitrogen in the soil.
- (7) It leaves the soil in fine physical condition for the fall planting of grain or other winter crop.
- (8) It produces an abundance of highly nutritious pods and leaves in a few months.
- (9) It may be made into hay or ensilage, or pastured; the seeds may be used for stock feed or human consumption.

Plant 40 lbs. per acre any time from April 1 until September 1. Per lb., 20c; 10 lbs., \$1.50. Write for quantity price.

## BRABHAM COW PEA

It has only recently been determined definitely that the Brabham is resistant to nematode. This discovery places the Brabham foremost as a desirable summer crop for green manuring. Few districts are free from nematode and while other crops nurse it, thus spreading it over wider territory, the Brabham will discourage its development, and if repeatedly planted may eradicate it from the field in which the Brabham is grown.

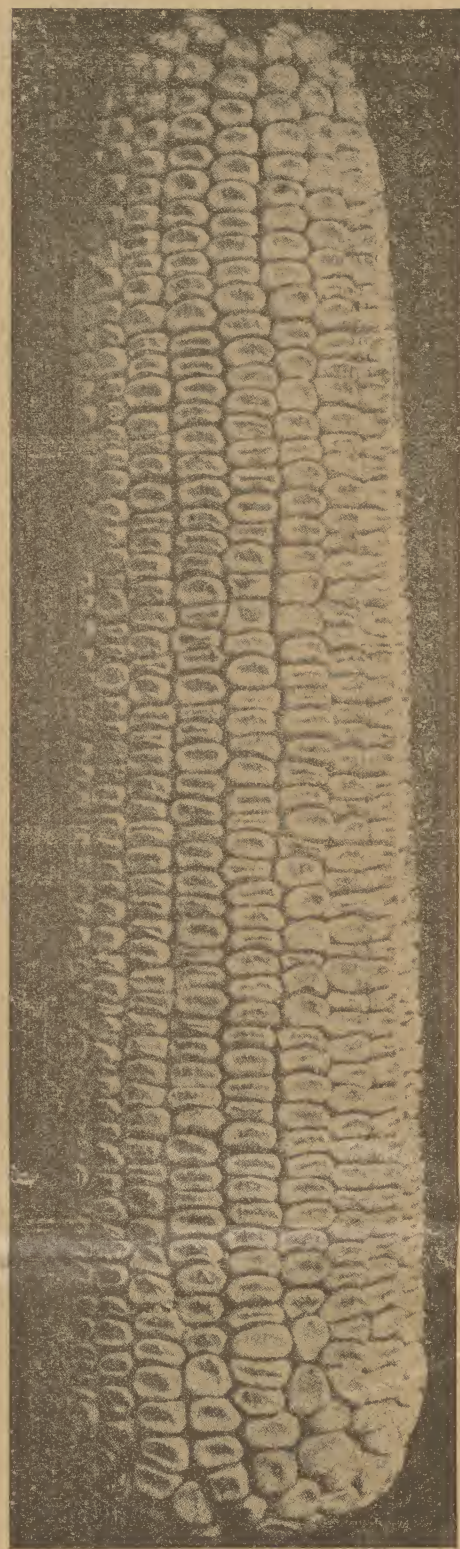
Under the light of the discovery that the Brabham pea is resistant to the nematode, to plant it would seem the wiser thing to do. Sow 40 lbs. per acre. Per lb., 20c; 10 lbs., \$1.50. Write for quantity price.

## NEW IMPROVED SEMESAN JR.

This modified form of the patent product, Semesan, is exclusively a dust disinfectant used principally for the ear, root and stalk rots of Field and Sweet Corn, but also for the treatment of cereal infections. Under Government-conducted field tests, new improved Semesan Jr. increased the crop yields from diseased field corn seeds by approximately 20 bushels to the acre and from similarly diseased sweet corn by as much as 47.7% with an average of practically 12%.

4-oz. tin, 35c; 1-lb. tin, \$1.00; 5-lb. tin, \$4.75.

ORDER BLANK ON PAGE 20



## Clovers

### LADINO CLOVER

#### THE NEW PASTURE CROP

Probably you have been hearing or reading a lot lately about Ladino Clover. Although it is a comparatively new arrival on the Pacific slope, it is already very popular as a dairy pasture crop, particularly in California and Oregon.

#### ADVANTAGES OF LADINO CLOVER

Ladino Clover is an ideal dairy pasture crop just as alfalfa is an ideal dairy hay crop. It will grow very satisfactorily on land that is not good for alfalfa. By that I mean it is an ideal crop to raise on shallow soil, on soil where there is a high water level or where alkali is present.

It continues to flourish even when pastured at the rate of four cows per acre during the growing season. Very glowing reports have come in from various sections telling how Ladino has turned unprofitable fields into highly productive grazing pastures.

#### THE PLANT

The Ladino Clover plant is very similar in appearance to ordinary White Dutch clover, but it grows more rapidly and becomes much larger. Its roots are comparatively shallow. They branch at the crown, just above the ground, and send out runners in all directions for three or four feet. These runners branch and take root, every few inches, at the nodes.

The stems, which lie close to the ground, are held by the many roots and will not be pulled off or eaten by stock while pasturing. The ends of the stems, which grow as high as two feet, are not injured by pasturing or cutting.

#### WHEN TO PLANT LADINO

Seemingly the best months for seeding Ladino are August, September, October, November, February, March, April and May. Land should be prepared the same as for alfalfa seed. Deep plowing is not necessary. If the land has been in beans or any other cultivated crop, it may be simply disced and harrowed, so that a shallow seed bed will be made. You need sow only four to six pounds of seed to the acre. This makes Ladino a very economical crop to plant.

#### IRRIGATING LADINO

Although Ladino is not a particularly dry or "thirsty" plant, but is rather a hardy "rustler" capable of standing the hardest pasturage, it is necessary to keep the soil moist in order to get a satisfactory stand. This is especially true in soil containing alkali, which must be kept well watered.

#### SUGGESTED GRASS MIXTURE WITH LADINO

A number of dairymen have reported very good results from planting Ladino with other grass seeds. Such a mixture reduces the possibility of bloating. They have found the following mixture very satisfactory:

Ladino Clover	.....3 lbs.
English Rye	.....6 lbs.
Orchard Grass	.....1 lb.
Meadow Fescue	.....2 lbs.

#### THE VALUE OF GOOD SEED

Ladino Clover seed so closely resembles that of ordinary white Dutch clover that it is impossible even for

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experts to tell them apart. The buyer of Ladino should make sure that he is getting his seed from a thoroughly trustworthy source.

We sell only Certified Ladino Clover seed. Take no chances and be sure you are getting genuine Ladino Clover. Buying in large quantities direct from the producer, we are able to offer Certified seed at the following prices: (Subject to change without notice.) Per lb., 90c; 10 lbs., \$8.50.

**MELILOTUS ALBA**

Melilotus Alba Clover is the only real rival to alfalfa. Melilotus Alba has for the past few years been recognized as one of the leading summer cover crops, especially in orange and lemon groves, but today hundreds of tons of Melilotus Alba seed are being sown in California as a general soil renovator. The large beet sugar companies of the State are using it to reclaim their alkali soils so as to put the land in shape for further plantings of sugar beets. Melilotus Alba White Blossom Sweet Clover is a biennial and therefore lives only two years and then dies. During this time it develops a tremendous tap root which penetrates the very hardest soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranchers are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water; in fact, in some of the foothill sections of California the plant grows wild, re-seeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed can be sown with a nurse crop of grain or alone. The seed should be covered very lightly in a well prepared seed bed for best results. Prices: Per lb., 25c; 10-lb. lots, \$2.00. Write for prices in larger quantities.

**ALSIKE (Trifolium Hybridum)**

Very hardy, adapted for sowing on cold, wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound, 40c; 10 lbs., \$3.50.

**RED CLOVER (Trifolium Pratense)**

Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotations. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive in slightly wetter land than Alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 15 pounds to the acre. Price per pound, 40c; 10 lbs., \$3.50, postpaid.

**BURR CLOVER**

Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Our seed is carefully hulled and thoroughly re-cleaned. Plant at the rate of 15 pounds per acre. Price per pound, 25c; 10 lbs., \$2.00.

**Chilean Alfalfa**

PRICES SUBJECT TO CHANGE

Knox's Quality Chilean Alfalfa represents the highest type of seed it is possible to obtain. Fields from which this seed is harvested are carefully gone over to be sure there are no noxious weeds in the field.

Only seed that is grown in the northern half of the state is allowed to go into this brand. No cheap southern seed is blended with it and a tag so stating is sewed to every bag. When you buy Knox's Quality Alfalfa you know you are getting the supreme quality of the crop. Lb., 25c; 10 lbs., \$2.25. Write for price and sample on larger quantities.

**SELECTED CHILEAN**

This is a brand of seed equal in purity and germination to any on the market, but is blended with southern-grown seed. Lb., 25c; 10 lbs., \$2.00. Write for price and sample on larger quantities.

**HAIRY PERUVIAN**

This variety enjoyed great popularity a few years ago. The stems are coarser than the Chilean, but it usually produces one more cutting. Lb., 25c; 10 lbs., \$2.25. Write for prices on larger quantities.

**PARAMOUNT BRAND**

EXTRA FANCY CHILEAN—Our very finest grade of Chilean Alfalfa Seed—truly The Peak of Perfection—extra fancy in every respect, with a purity of 99.85 or better and germination of 90 per cent or better. Lb., 25c; 10 lbs., \$2.25.

**STANDARD BRAND**

FANCY CHILEAN—Seed packed under this brand is a fancy grade with a good appearance and a purity of 99.65 or better and germination of 90 per cent or better. Lb., 30c; 10 lbs., \$2.50.

**TRU-VALUE BRAND**

CHILEAN — All that the name implies. Packed for those desiring a choice grade of seed at a saving. Purity always 99.50 or better and germination 90 per cent or better. Not a cheap off-grade seed. Lb., 23c; 10 lbs., \$2.25.

**Miscellaneous Grasses****HARDING GRASS**

This is an excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years, but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter, except in severe snow storms or hard freezing. Under good conditions this grass will pasture one cow per acre per year. Tests have shown this grass to be equal to Alfalfa as a feed, and it never bloats. Plant in the early spring at the rate of 2 to 4 lbs. per acre. Price per lb., \$1.00; 10 lbs., \$8.50.

**ITALIAN RYE**

(Lolium Italicum). A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb., 25c; 10 lbs., \$2.00.

**AUSTRALIAN RYE GRASS**

(Lolium Perenne). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Plant 40 pounds per acre. Price per lb., 25c; 10 lbs., \$2.00.

**DOMESTIC RYE GRASS**

Yields three or four cuttings a year of most nutritious hay; a very valuable grass, particularly adapted for rich, loamy soils or low grounds; does better in damp situations than most grasses. Recommended principally for fall seeding. Sow 50 lbs. per acre. Lb., 15c; 10 lbs., \$1.25.

**DALLAS GRASS**

(Paspalum Dilatatum). This is one of the best pasture grasses, for it not only furnishes a highly relished stock feed, but it is very hardy and will withstand a great variety of conditions. It grows on the poor as well as the rich soils and it will not die out under conditions of

drought, as it revives quickly as soon as moisture becomes available. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. It is a vigorous grower and will take root amongst and choke out weeds. Plant 10 lbs. to the acre. Price per pound, 70c; 10 lbs., \$6.50.

**PACEY'S RYE GRASS**

Valuable as a green forage plant for growing on lands not easily cultivated. Broadcast seed at the rate of 40 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.25.

**RHODES GRASS**

(Chloris Cayana). This grass was first cultivated because of its pasture value. It bears pasturing very well, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste. Broadcast 12 lbs. of seed per acre. Price per lb., 70c; 10 lbs., \$6.50.

**TIMOTHY**

(Phleum Pratense). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Price per lb., 20c; 10 lbs., \$1.75.

**REED CANARY GRASS**

Is one perennial grass that will thrive in marshy places, stand under water for weeks without injury, yield enormous tonnage of hay with a feed value equal to wheat bran. Until seed is more plentiful we suggest to seed alone after the land has been worked and weeds killed off, using four to six pounds per acre, any time before June 20th. Make your low land grow profitable crops. Lb., \$1.00; 10 lbs., \$9.00.

**MEADOW FESCUE**

(FESTUCA PRATENSIS). This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per lb., 30c; 10 lbs., \$3.25.

**AWNLESS BROME GRASS**

(BROMUS INERMIS). Is unexcelled as a pasture grass under conditions of drought, as it will withstand drought that will kill all other grasses. Plant 20 pounds to the acre. Price per lb., 55c; 10 lbs., \$5.00.

**BERMUDA GRASS**

(CYNODON DACTYLON). This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Sow on well prepared seed bed keeping the surface of the soil moist until the seed has germinated. Plant only in hot weather, as seed will not germinate in cool temperatures. Price per lb., 50c; 10 lbs., \$4.50.

**CRESTED WHEAT GRASS**

From its character and adaptations it is the most promising grass now available for pasture in the dry sections of our state and when cut at the proper stage the hay is of excellent quality. Like other crops, best yields are usually obtained on the fertile black soils, although it does well on sandy areas in the Northwest. We anticipate the seed will be much lower in price in a few years, as it is a heavy seed producer. Try it out on your soil in a limited way, seeding 10 to 15 lbs. per acre, seeded in rows 6 inches apart with grain drill. Per lb., 90c; 10 lbs., \$8.50, postpaid.

**ORCHARD**

COCKSFOOT (Dactylis glomerata). This grass does well sown either with or without other grasses. It is frequently sown in such pasture mixtures as white clover, red clover and rye grass. If sown alone, 25 or 30 lbs. of the Cocksfoot seed will insure a good stand of grass. Per lb., 30c; 10 lbs., \$2.75.

**Forage Sorghums****SUDAN GRASS**

Is the most drought resisting annual ever introduced. Since its introduction in 1915 its popularity has increased regularly and it has now come to stay. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall. Lb., 10c; 10 lbs., 65c postpaid.

**EARLY AMBER**

Furnishes a large field of most nutritive forage which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 15 pounds per acre. Per lb., 10c; 10 lbs., 85c, postpaid.

**HONEY SORGHUM**

Is the prize variety without a doubt. We have seen it growing in Imperial Valley, San Diego County, San Joaquin Valley, and in the vicinity of Los Angeles. All growers every year are loud in its praise. Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from 8 to 12 feet. It is medium late maturing and has decidedly tender stalks, and is important from a forage standpoint. Imagine an average of twenty-seven tons or over per acre. The method of seeding will be determined largely by the purpose for which it is grown. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3½ feet apart, using up to 5 pounds of seed per acre. Price per lb., 10c; 10 lbs., 85c. Write for special prices in larger quantities.

**HASTINGS SORGHUM**

A new variety producing a greater tonnage with leafy stalks. Lb., 10c; 10 lbs., 85c.

**MAIL ORDERS PROMPTLY FILLED****Grain Sorghums****SELECTED DWARF MILO MAIZE**

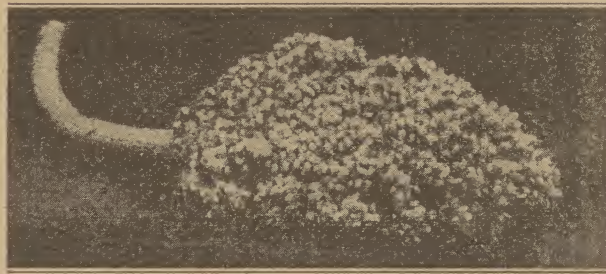
Since the cost per acre of Milo Maize Seed is very small it certainly pays to secure the best seed obtainable. Where the soil is properly prepared it requires but 3 to 4 lbs. per acre, therefore, the cost of seed would be but a few cents, hence Milo Maize Seed should be considered entirely from the quality standpoint. Yield of grain per acre is what you want and you cannot afford to experiment on strains that are being grown by inexperienced growers. Being of uniform height it may be harvested by machinery out, if harvested by hand, the large heads reduce the cost of harvesting. It grows to a height of about 4 feet, is of stooing habit, and individual hills of 5 to 7 stalks in a stool each producing a large compact head are not uncommon throughout the field. We have had reported yields of two tons of threshed maize per acre and where the soil and climatic conditions are favorable we feel that this is a very conservative estimated yield. Very often there is a temptation among farmers and others to save their own seed of Milo Maize or to plant seed that has been produced in their own district, but since it is very easily crossed with other sorghums this is a bad practice and we advise against it. We produce our seed maize in isolated districts where there are no other sorghum crops grown near and by hill and head selection each year, the strain is kept uniform and true. Considering again that it requires but a few cents per acre to plant the very best Milo Maize Seed there appears to be no good reason why the planter should experiment with untried strains. If you are going to plant Maize, let us send you a sample of our seed and quote prices on quantity. Lb., 10c; 10 lbs., 85c. Write for quantity prices.

**DOUBLE DWARF MILO MAIZE**

This variety of Red Milo Maize is very dwarf, growing only 2 to 2½ feet high and has been developed especially for convenience and economy in harvesting. It can be cut and harvested by machinery in the same manner as heading grain. Very profitable crop to grow, the average yield being two tons per acre. Sow at the rate of 4 to 5 lbs. per acre from April until middle of June. Lb., 10c; 10 lbs., 85c. Write for quantity price.

**WHITE MILO MAIZE**

Grows same as Dwarf Red Milo and the kernels are almost pure white. Lb., 10c; 10 lbs., 85c.

**EGYPTIAN CORN**

This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb., 10c; 10 lbs., 85c.

**FETERITA**

This sorghum was secured from Sudan, where it is commonly grown under the name of Feterita; an early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 6 pounds to the acre. Price per lb., 15c; 10 lbs., \$1.00.

**WHITE KAFFIR**

Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drought sections and to break up new ground for other crops. Cattle relish the stalks; the grain is valuable food for poultry. Plant six pounds to the acre. Price per lb., 15c; 10 lbs., \$1.00.

**Cover Crop Seeds****MELILOTUS INDICA**

One of the best legumes for green manuring in the orchards of California, because it may be planted late in the fall after all crops have been harvested, will grow all winter with only the season's rainfall. It prevents erosion during the rainy season, is easily plowed under, is richer as a fertilizer and if allowed to stand until July will prevent much of the June drop. Melilotus Indica is the best legume with which to build up your soil during the rainy season for the summer crop to follow, particularly potatoes and melons. Sow 20 lbs. per acre. Per lb., 10c; 10 lbs., 85c. Ask for quantity price.

**CANADIAN FIELD PEA**

When it is too late to plant Vetch or Melilotus plant Canadian Peas. They may be planted as late as January and yet be plowed under in time for planting a summer crop. If your summer crop, like melons and potatoes, is not harvested until November, plant Canadian Peas. Neither is the Canadian Pea inferior to other cover crops when planted at the right time, which is from September to February. If the soil is too wet after planting the seed will rot. Broadcast 50 to 60 lbs. per acre. Per lb., 10c; 10 lbs., 85c. Write for quantity price.

**PURPLE VETCH**

The chief value of Purple Vetch lies in its rapid growth. It does not have the same tendency to stop growing when the thermometer registers around 26 degrees as do many other varieties of cover crop. However, it does not stand quite as much cold as Melilotus Indica. It is one of the leading cover crops for planting during the rainy season in citrus orchards and for this purpose 60 lbs. should be sown to the acre. It is also a valuable crop for hay or silage. Lb., 15c; 10 lbs., \$1.00. Write for quantity price.

**COMMON VETCH**

This variety also makes an excellent cover crop for fall sowing and is commonly sown with oats, wheat, rye or barley. When grown together the vetch is held off the ground and at the same time fertilizes the grain crop. For this intention sow 30 lbs. grain and 20 lbs. vetch to acre, or if planted alone, 60 lbs. of vetch per acre. Per lb., 10c; 10 lbs., 85c. Write for quantity price.

**BROAD WINDSOR BEAN**

Sometimes called Horse Beans, grows upright on a single stem bearing a profusion of large well-filled pods. The roots are enormously productive of nitrogen. It will withstand 28 degrees temperature; therefore, may be planted as late as September for best results as a winter cover crop. Sow 60 to 80 lbs. per acre. Lb., 15c; 10 lbs., \$1.00. Write for quantity price.

**WILD BLACK MUSTARD**

(Brassica Nigra.) Used to some extent for a cover crop. Sow 8 to 10 lbs. per acre. Lb., 10c; 10 lbs., 85c.

**WHITE MUSTARD**

(Brassica alba). This white seed mustard has yellow flowers and is thus sometimes called Yellow Mustard. It grows very rapidly and is now used extensively as a cover crop. Sow 10 to 15 lbs. per acre. Lb., 15c; 10 lbs., \$1.00.

**TRIESTE MUSTARD**

(Brassica juncea). The most commonly used mustard. Although not so rapid in growth as the white mustard, it makes a heavier tonnage. Sow 6 lbs. per acre. Lb., 20c; 10 lbs., \$1.75.

LADINO CLOVER MAKES AN IDEAL PASTURE—TRY A PATCH THIS YEAR



# SPRAYERS FOR EVERY PURPOSE

## COMPRESSED AIR SPRAYER

An excellent compressed air sprayer with screw locking cap and corrugated tank, top and bottom. Made with either heavy SOLID COPPER or strong COPPER BEARING GALVANIZED STEEL TANK, LINED WITH A SPECIAL NON-CORROSIVE LINING WHICH WILL DOUBLE THE LIFE OF THIS SPRAYER OVER THE ORDINARY SPRAYER. Completely equipped with extra wide, adjustable web carrying strap, full 20-inch hose, automatic shut-off, seamless brass extension and screen Non-Clog nozzle.

Sprays disinfectants, insecticides, fly oils, stock dips, etc.

No. 9-C; 4-gallon Copper Tank ..... **\$7.55**  
No. 9-A; 4-gallon Galvanized Tank ..... **\$4.95**



## THE BLUE RIBBON JUNIOR

A fine small capacity screw-locking compressed air sprayer for all spraying purposes. It is built with either a heavy sheet brass or copper bearing galvanized steel tank of two-gallon capacity. Completely equipped with carrying strap, 5-ply special spray hose, all metal automatic shut-off, seamless brass extension and Non-Clog screen nozzle. Valuable for spraying around the home, garden, dairy barn, poultry house, etc.

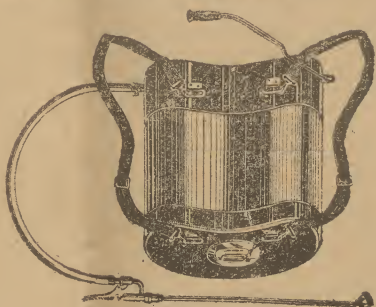
Blue Ribbon D. Jr., 2-gal. galvanized tank... **\$3.35**



## GOLD MEDAL SPRAYER

This Vermorel type sprayer easily maintains about 40 pounds pressure by slowly moving pump lever up and down when the sprayer is in position on operator's back. Provides constant even spray and is easily filled. Completely equipped as other compressed air sprayers. An excellent sprayer for potatoes, garden truck, field crops, etc., where operator has to move about.

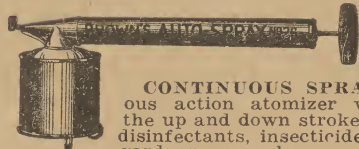
Gold Medal B, 4-gallon brass tank..... **\$18.45**  
Gold Medal D, 4-gallon galvanized tank..... **\$13.00**



## COMPRESSED AIR SPRAYER

THE NO. 50 is a three-gallon screw-locking compressed air sprayer of the same type as above. It is made of either heavy SOLID COPPER or strong copper bearing galvanized steel, with a NON-CORROSIVE TANK LINING, which will practically double the life of the sprayer. The tank top and bottom are corrugated and increase the strength considerably. Will handle all spraying solutions.

No. 50-C; 3-gallon Copper Tank..... **\$7.00**  
No. 50-A; 3-gallon Galvanized Tank..... **\$4.50**

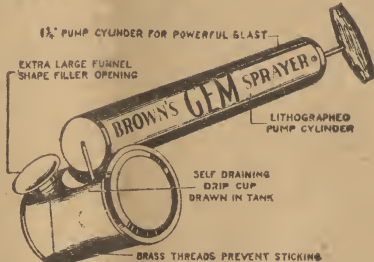


CONTINUOUS SPRAY NO. 26-A—Continuous action atomizer which sprays on both the up and down stroke of the plunger. Sprays disinfectants, insecticides, etc. Ideal for small gardens, greenhouses, chicken houses, etc. Qt. size, lithographed tin pump, tin tank, 75c.

CONTINUOUS SPRAY NO. 26-B—One of the finest quality sprayers made. Constructed with a heavy seamless brass pump cylinder, brass cone, seamless brass syphon tube, brass nozzle and solid copper container. Straight and angle combination nozzles are attached with ball-bearing valve. Will handle all spray solutions. QUART SIZE ..... **\$1.65**

## THE GEM

Single action atomizer built with a heavy lithographed pump cylinder and strong tin plate container. It handles all house fly oils, disinfectants, insecticides and moth sprays. 1/2 pint size and 8 in. long ..... 25c



BROWN'S WHIRLWIND. A strong action atomizer sprayer, with lithographed pump and heavy tin plate container. Quart size and 12 inches long..... **35c**

## BROWN'S CRYSTAL DUSTER



A new type hand duster with glass jar container. Fan shape spreader nozzle gives even dust distribution and continuous discharge. Thoroughly constructed and easy to handle. Will apply all types of dusting materials. 39 inches long, Quart size, with lithographed tin pump, glass jar, extension and nozzle..... **\$1.35**

Duster Brown No. 1

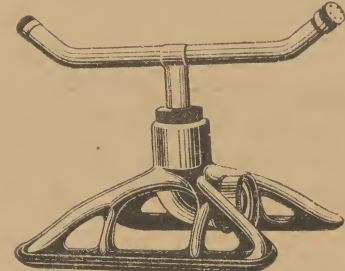
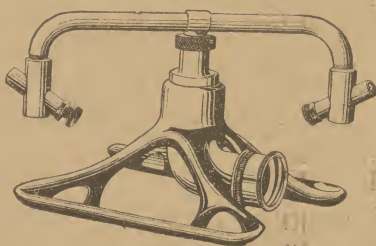
A small capacity duster ideal for use in the garden, home, etc. Especially useful for dusting insecticides and roach powders. Half-pint size, lithographed tin pump, tin container ..... **45c**

## BUCKET PUMP

The Brown bucket pump is the finest on the market. It is light, yet strong, reliable and will last for years. Made entirely of brass, with the exception of the malleable iron handle and foot rest. Bronze ball valves. Pump will create over two hundred pounds pressure. Price **\$3.75**.

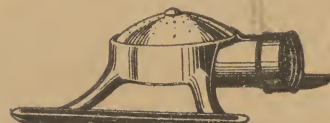
## LAWN SPRINKLERS

THE WHIRLING SHOWER—The finest in revolving sprinklers—All moving parts are brass with brass coupling and nozzles. All bronze roller bearings. Nozzle adjustable to cover from 10 to 70 feet in diameter. A perfectly balanced spray that will give years of service. Malleable iron base. Price, **\$1.60**.



THE REVOLVO—The same type sprinkler as the above with the exception of the nozzles. All brass with the exception of the malleable iron base. Will cover an area from 40 to 50 feet in diameter. Price, **\$1.10**.

THE READY SHOWERS—A stationary lawn sprinkler with malleable iron base and heavy pressed brass spray plate. Each, **50c**.



Long Wearing - - Extra Strong

## Garden Hose

Gates All Rubber Highest Quality Rubber. Black Only. 5/8-Inch



Highest quality hose possible without the use of a fabric carcass. Has a safety factor of over 4 to 1. Highly resistant to aging and abrasion. Smooth broad faces, deep corrugations between, make this hose especially easy on hands. Has less tendency to kink than all other Rubber Hose. Couplings will be as tightly fastened after a year as they were originally.

25 Feet... **\$1.15** 50 Feet... **\$1.99**

Complete with couplings.

## Gates Trucord Hose

Single Braid Cord Built, 5/8-Inch

Single-braid molded hose of exceptional quality adaptable to all general use. Heavy seamless tube of fresh, live resilient rubber, reinforced with a strong layer of braided cords two ends up, which give added strength and flexibility, thus keeping it from kinking. Tough black corrugated cover gives protection against outside wear and snagging.

25 Feet..... **\$2.00** 50 Feet..... **\$3.85**

Complete with couplings.

## Gates Greenlawn Hose

Double-Double Braid Cord Built, 3/4-Inch



A high-quality De Luxe hose constructed to withstand the hardest kind of usage. Inner lining of seamless, tough rubber, over which are two layers of strong double-braided cords, separated by 1-16 in. thickness of friction-resisting rubber. Kink-proof. Will outlast any other hose on the market. Olive green corrugated cover is distinctive looking and harmonizes with the green of the lawn. A printed guarantee is attached to every length.

25 Feet..... **\$2.75** 50 Feet..... **\$5.25**

Complete With Couplings

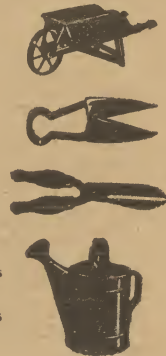
## Garden Tools

AND

## Accessories

We have a complete line of the fine, durable Boyle garden tools and many other dependable accessories.

TROWELS HOES Lawn Mowers  
PLANTERS RAKES Lawn Edgers  
WEEDERS SPADES Wheelbarrows  
Cultivators, Pruning Shears, Trellises  
Garden Stakes, Flower Pots, etc.



T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

## Knox's Planting Guide

COMPLETE INFORMATION IN A SIMPLIFIED FORM

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Pits Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants	32 Plants	3000 P.	Dec. to April	5 ft.	3 ft.	Next Spring	3 inches
Artichoke, Jerusalem	3 lbs.	300 lbs. T.	February to May	4 ft.	3 ft.	Late Summer	1 inch
Asparagus Seed	1 oz.	2 lbs.	December to May	4 ft.	3 ft.	Third Spring	1 inch
Asparagus Plants	32 Plants	11000 P.	Jan. to September	3 ft.	6 in.	Next Spring	1 to 2 inches
Beans, Bush	1 lb.	60 lbs.	Jan. to September	3 ft.	1 1/2 ft.	2 to 3 Months	1 inch
Beans, Pole	1 lb.	50 lbs.	Jan. to September	3 ft.	6 in.	3 to 3 1/2 Months	3/4 inch
Beet, Table	2 oz.	10 lbs.	All year.	2 ft.	1 ft.	4 to 6 Months	1 inch
Beet Stock	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	3 1/2 Months	1/4 inch
Broccoli	1 Pkt.	4 oz. T.	Nov. to April	2 1/2 ft.	1 1/2 ft.	5 Months	1/2 inch
Brussels Sprouts	2 Pkts.	8 oz. T.	October to May	2 1/2 ft.	1 1/2 ft.	3 to 4 Months	1/2 inch
Cabbage, Early	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 5 Months	1/2 inch
Cabbage, Late	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 6 Months	1/2 inch
Carrot	1 oz.	4 lbs.	June to January	24 in.	6 in.	4 to 5 Months	1/2 inch
Cauliflower	1/4 oz.	5 oz. T.	January to May	3 ft.	2 1/2 ft.	2 Months	1/4 inch
Celery	2 Pkts.	6 oz.	January to May	30 in.	5 in.	3 to 4 Months	1/4 inch
Celeriac	1 Pkt.	1 lb.	Jan. to August	30 in.	15 in.	2 to 3 Months	1/4 inch
Chervil	1 Pkt.	2 lbs.	September to May	30 in.	8 in.	2 to 3 Months	1/4 inch
Chives	2 Pkts.	8 oz. T.	All Year	30 in.	8 in.	2 to 3 Months	1/4 inch
Chicory	2 Pkts.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months	1/4 inch
Corn Salad	1 lb.	10 lbs.	March to Nov.	36 in.	12 in.	2 1/2 to 3 Months	1 inch
Corn, Sweet	1/2 Pkt.	10 lbs.	March to Sept.	36 in.	4 ft.	3 Months	1 inch
Cucumber	2 Pkts.	10 lbs.	Sept. to April	30 in.	10 in.	4 Months	1/2 inch
Dandelion	1 Pkt.	1/4 lb. T.	January to August	30 in.	2 ft.	3 Months	1/2 inch
Eggplant	1 Pkt.	3 lbs.	August to May	30 in.	8 in.	5 to 6 Months	1/2 inch
Endive	1 oz.	300 lbs.	Sept. to March	30 in.	18 in.	2 to 3 Months	1/2 inch
Garlic (Sets)	70 Plants	10000 P.	December to May	30 in.	18 in.	4 Months	1/2 inch
Horse Radish	2 Pkts.	4 lbs.	All Year	30 in.	6 in.	4 Months	1/2 inch
Kale	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	2 to 4 Months	1/2 inch
Kohi Rabi	1/2 oz.	1 1/2 lbs.	Sept. to April	24 in.	4 ft.	2 to 4 Months	1 inch
Leek	2 Pkts.	1 1/2 lbs.	March to July	24 in.	4 ft.	3 to 5 Weeks	1 1/2 inch
Melons, Musk	2 Pkts.	2 lbs.	March to July	8 ft.	2 1/2 ft.	3 Months	1 inch
Melons, Water	1 oz.	2 lbs.	All Year	8 ft.	2 1/2 ft.	3 Months	1 inch
Mustard	1 Pkt.	2 lbs.	April to July	3 ft.	5 in.	2 to 3 Months	1 inch
Okra	1 oz.	300 lbs.	Sept. to April	18 in.	5 in.	2 to 3 Months	1 inch
Onion Seed	1/2 oz.	300 lbs.	All Year	2 ft.	2 ft.	4 to 6 Months	1 inch
Onion Sets	2 oz.	40 lbs.	All Year	24 in.	6 in.	3 Months	1/2 inch
Parsley	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	2 to 4 Months	1/2 inch
Parsnips	1 Pkt.	6 lbs.	All Year	30 in.	6 in.	2 to 4 Months	1/2 inch
Peas	1 lb.	75 lbs. T.	All Year	36 in.	18 in.	2 to 4 Months	1/2 inch
Potatoes	1 lb.	600 lbs.	January to July	36 in.	18 in.	2 to 4 Months	1/2 inch
Pumpkin	70 Plants	10000 P.	Dec. to Sept.	36 in.	18 in.	2 to 4 Months	1/2 inch
Radish	2 Pkts.	12 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months	1/2 inch
Rhubarb	1 oz.	12 lbs.	All Year	18 in.	8 ft.	3 to 4 Months	1/2 inch
Rhubarb Roots	33 Roots	3000 P.	January to April	5 ft.	3 ft.	Next Spring	1 inch
Salsify	1 oz.	20 lbs.	December to May	5 ft.	3 ft.	4 Months	1 inch
Spinach	2 Pkts.	20 lbs.	February to Oct.	30 in.	4 in.	40 to 65 Days	1 inch
Squash	2 Pkts.	20 lbs.	February to Oct.	4 ft.	3 ft.	2 Months	1 1/2 inches
Squash, Running	2 Pkts.	20 lbs.	February to Aug.	4 ft.	3 ft.	2 to 4 Months	1 1/2 inches
Tomato, Seed	1 Pkt.	3000 P.	February to Aug.	5 ft.	3 ft.	4 to 5 Months	1 1/2 inches
Turnip	2 Pkts.	3000 P.	March to Oct.	5 ft.	3 ft.	2 to 4 Months	1 1/2 inches
Turnip, Swede or Rutabaga	2 Pkts.	3000 P.	All Year	24 in.	6 in.	3 to 4 Months	1 1/2 inches

This Guide is for San Joaquin Valley or similar climate.

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